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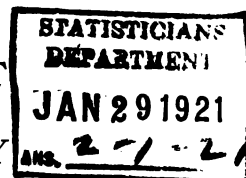
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**NINTH BIENNIAL REPORT**  
**OF THE**  
**BUREAU OF LABOR**  
**OF THE**  
**STATE OF OREGON**  
**1919-1920**

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NINTH BIENNIAL REPORT  
AND  
INDUSTRIAL DIRECTORY



OF THE

Bureau of Labor Statistics and  
Inspector of Factories  
and Workshops

OF THE

STATE OF OREGON

From October 1, 1918, to September 30, 1920

TO

HIS EXCELLENCY THE GOVERNOR

AND THE

THIRTY-FIRST LEGISLATIVE ASSEMBLY,  
REGULAR SESSION, 1921

C. H. GRAM, Commissioner



SALEM, OREGON:  
STATE PRINTING DEPARTMENT  
1920

## LETTER OF TRANSMITTAL

*To His Excellency, Ben W. Olcott, Governor of the State of Oregon, and  
the Honorable Legislative Assembly of the State of Oregon:*

Pursuant to the requirements of the statute of 1903, creating the Bureau of Labor Statistics and Inspector of Factories and Workshops, I have the honor of submitting to you the Ninth Biennial Report of the Bureau of Labor of the State of Oregon, covering the period from October 1, 1918, to September 30, 1920.

During the past two years the work of the department has increased greatly over any preceding biennium, not only on account of new duties added by legislation passed at the regular and special sessions of the legislature in 1919 and 1920, but also because of the increased number of requests made for assistance in adjusting or unravelling complicated disputes.

As provided by statute we also are submitting for your information some recommendations that the department feels should be presented and given consideration.

It is the opinion of this office that provision should be made for at least one woman in the department whose duties would be to make regular inspections of workshops in which women and children are employed, and to compel observance of laws, orders and rules affecting women in industry.

Additional legislation should be passed to provide the necessary funds to properly carry out the provisions of Chapter 48, General Laws of Oregon, 1920, known as the Safety Standard Act, particularly with reference to the inspection of boilers, elevators and electrical installations.

Of all the complaints coming to the bureau for adjustment, the most common are claims for wages earned which the workers are unable to collect. This applies to both men and women, and additional legislation which would have a corrective effect on these abuses is recommended, for we know that to deal with the worker unjustly and to default in payment of wages earned is to encourage and breed dangerous radicalism.

The above recommendations we have dealt with separately under their proper headings.

Respectfully submitted,

C. H. GRAM,  
*Commissioner.*

## INDUSTRIAL DIRECTORY OF OREGON

The publication of this industrial directory of Oregon is intended to meet the demand from within the state and to furnish information to other states, from which we have received numerous inquiries regarding Oregon industries. It is hoped that the information given in this directory may be a factor in promoting the industrial growth of the state.

As the directory is the first of its kind ever published by a department in the state, the bureau has no standard set by previous compilations from which to work, and, as in our survey for statistics of manufacturers, the directory is limited to those plants using more than two horsepower.

Many states which make a practice of keeping an up-to-date industrial directory find it necessary to conduct a continual survey to familiarize the public with industrial conditions in their respective states. It is of the greatest importance that like surveys be made in the state of Oregon, and funds should be provided for such work sufficient to include not only all manufacturing industries but also the agricultural field, covering in particular soil, crops and value of lands.

It is the plan of the Bureau of Labor to revise the directory at least every two years, and it is hoped that it will prove of sufficient value to the state to justify the outlay incident to such revision.

## STATISTICS OF MANUFACTURERS

The present form of these statistics has been adopted in order to bring to the attention of the reader the ever-increasing importance of the industries of the state.

In gathering these statistics the bureau depended largely upon correspondence, and no attempt was made to cover all the plants in the state, as there were no available funds for making a personal canvass. Our survey was limited to those operations using two or more horsepower.

We are thankful to all who furnished data for this compilation. Especially are we appreciative of and greatly indebted to the State Chamber of Commerce and to the Portland Chamber of Commerce for assistance rendered.

We believe that by presenting the statistics in this form the confidence of the manufacturers will be established and that requests for data to be used in future compilations will result in even a greater degree of cooperation.

As these statistics are more comprehensive and in a different form from any previous report compiled by this bureau, there is no way of comparison, although we feel confident that a gratifying increase could be shown in capital invested, value of products, number of wage earners and average yearly earnings.

## FACTORY INSPECTION

One of the most important duties of the Bureau of Labor is factory inspection. This work has been done by a force consisting of four male inspectors, but with such a small force it is impossible to meet the re-

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quirements of the state in that line of work. Earnest work, however, has brought about remarkable changes, and the bureau has secured the hearty cooperation of those in charge of establishments in making the workshops and factories more safe and sanitary.

In the Fall of 1919, the State Industrial Accident Commission, the Oregon and Columbia River basin branch of the National Safety Council, and the Bureau of Labor, jointly, started an educational campaign in accident prevention. Efforts were first directed to the lumber industry, as that is considered the largest and one of the most hazardous industries in the state.

By courtesy of the California Industrial Accident Commission and National Safety Council, Chicago, two moving picture films, appropriate for use in such a campaign, depicting preventable accidents in the industrial field, were shown in a number of the largest lumber centers and were well received by the workers and the public. It is believed that through this method lasting results can be obtained and that the number of accidents occurring can be materially reduced. The work will be continued by the Oregon and Columbia River basin branch of the National Safety Council and the State Industrial Accident Commission.

*Boiler Inspection*—Since the adjournment of the last regular session of the legislature, six serious boiler explosions have occurred in this state, in which ten men were killed and three seriously injured, one being maimed for life. Neighboring states have passed legislation against the operation of dangerous boilers, with the result that evidence is fast accumulating showing that Oregon is becoming the dumping ground for second-hand boilers the operation of which is not permitted by laws of other states.

The special session in 1920, however, passed a law which will materially reduce this hazard. Under this act the Industrial Accident Commission is authorized to establish safety standards for the construction and operation of steam boilers, while the duty of enforcing these standards is placed with the Bureau of Labor.

We believe supplementary legislation should provide for the inspection of boilers, for the examination of inspectors, and authority to charge fees for boiler inspections sufficient to make this branch of the work self-sustaining.

Under this method the boiler inspectors for the insurance companies and the inspectors of the Bureau of Labor would, where qualified, be deputized as state boiler inspectors. The inspectors for the insurance companies would submit reports of inspections to the Bureau of Labor as to all boilers covered by insurance, thus complying with the law and obviating the need of any payment by the owner of an insured boiler other than the insurance premium.

As to all other boilers these would be inspected by boiler inspectors of the Bureau of Labor and fees covering the cost of service would be charged.

*Elevators*—A number of serious accidents have occurred in the last two years both on passenger and freight elevators. The new safety standard law passed in 1920 covers these hazards also, but here, as in

the case of boilers, no provision was made for funds with which to carry on the proper inspection, and we would recommend, therefore, that an inspection fee, sufficiently large to cover such expense, be established.

*Installation of Electrical Equipment and Wiring*—Chapter 163, General Laws of Oregon, 1919, provides for the licensing of all men engaged in the business of installing electrical equipment and electric wiring in the state, and Chapter 181, General Laws of Oregon, 1919, provides for the standardizing of illumination in all factories, mills and workshops. The duties of enforcing the provisions of these two laws were placed with this bureau.

Experience has shown that the fees collected for licenses under Chapter 163, which are intended to be used in enforcing the act, are not adequate to carry out fully the provisions of these two statutes, and for this reason we would recommend the adoption of a fee system.

We believe that the operators and owners will gladly pay the inspection fees in the various branches, provided they receive the efficient service which the additional funds recommended would enable the bureau to render.

#### INCREASE OF 475 MANUFACTURING PLANTS DURING THE TWO YEARS, OCTOBER 1, 1918, TO SEPTEMBER 30, 1920

Industrial plants listed under the factory inspection law on September 30, 1920, numbered 3,053, and in these plants 8,981 inspections have been made during the period from October 1, 1918, to September 30, 1920. Plants destroyed by fire or out of business in the two years numbered 423, and new operations totaled 898, making a net increase of 475 plants.

Under Chapter 163, General Laws of Oregon, 1919, 1,715 electrical inspections were also made in factories, as well as 34 inspections of installations of electrical apparatus and wiring in garages, schoolhouses, dwellings and other buildings. In addition, 42 investigations were made of complaints relative to wiring done without license.

### RECEIPTS AND EXPENSES

#### FACTORY INSPECTION FUND

October 1, 1918, to September 30, 1920

Balance on hand October 1, 1918 .....	\$ 4,515.42
Collections October 1, 1918, to September 30, 1919 .....	16,520.00
Collections October 1, 1919, to September 30, 1920 .....	20,320.00
Total receipts .....	\$41,355.42

#### EXPENSES

October 1, 1918, to September 30, 1919

Inspectors' salaries .....	\$ 5,520.00
*Inspectors' traveling expenses .....	5,093.92
Clerk hire .....	1,397.17
Printing .....	436.43
Postage .....	320.00
Telephone and telegraph .....	183.71
Express .....	8.94
Furniture and office supplies .....	459.26
Typewriter and supplies .....	136.75
Subtotal .....	\$13,556.18

October 1, 1919, to September 30, 1920

†Inspectors' salaries .....	\$ 3,910.00
†Inspectors' traveling expenses .....	6,068.64
Clerk hire .....	1,599.90
Printing .....	1,435.18
Postage .....	725.00
Telephone and telegraph .....	279.62
Express .....	21.80
Furniture and office supplies .....	366.94
Typewriter and supplies .....	199.35
Subtotal .....	\$14,606.43
Grand total .....	\$28,162.61

## ELECTRICAL FUND

Total receipts, June 1, 1919, to September 30, 1920 .....\$ 5,775.00

## EXPENSES

June 1, 1919, to September 30, 1919

Clerk hire .....	\$ 135.80
Printing .....	32.52
Postage .....	25.00
Office supplies .....	13.67
Subtotal .....	\$ 206.99

October 1, 1919, to September 30, 1920

†Inspectors' salaries .....	\$ 2,090.00
Inspectors' traveling expenses .....	1,788.16
Clerk hire .....	630.50
Printing .....	321.89
Office supplies .....	47.10
Subtotal .....	\$ 4,877.65
Grand total .....	\$ 5,084.64

## GENERAL FUND

October 1, 1918, to September 30, 1920

October 1, 1918, to September 30, 1919

Commissioner's salary .....	\$ 3,000.00
Commissioner's traveling expenses .....	875.98
Clerk hire .....	77.90
Printing .....	347.32
Postage .....	10.00
Office supplies .....	3.50
Subtotal .....	\$ 4,314.70

October 1, 1919, to September 30, 1920

Commissioner's salary .....	\$ 3,000.00
Commissioner's traveling expenses .....	1,174.73
Clerk hire .....	596.58
Printing .....	268.02
Postage .....	15.00
Special investigators (women in industries) .....	358.77
Office supplies .....	83.26
Subtotal .....	\$ 5,496.36

\* Includes two Ford cars.

† Part of inspectors' salaries paid out of electrical fund.

‡ Includes three Ford cars.

# BUREAU OF LABOR, OREGON

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## BRANCH OFFICE—PORTLAND

March 1, 1919, to September 30, 1919

Deputy commissioner's salary .....	\$ 1,050.00
Deputy commissioner's traveling expenses .....	13.44
Subtotal .....	\$ 1,063.44

October 1, 1919, to September 30, 1920

Deputy commissioner's salary .....	\$ 1,935.00
Deputy commissioner's traveling expenses .....	79.58
Subtotal .....	\$ 2,014.58
Grand total .....	\$12,889.08

## RECAPITULATION

### FACTORY INSPECTION FUND

Total receipts .....		\$41,355.42
Expenditures .....	\$28,162.61	
Transferred to general fund January 1, 1919.....	2,339.13	
Total .....	\$30,501.74	30,501.74
Balance on hand September 30, 1920 .....		\$10,853.68

### ELECTRICAL FUND

Total receipts .....	\$ 5,775.00
Expenditures .....	5,084.64
Balance on hand September 30, 1920 .....	\$ 690.36

## WORKING PERMITS ISSUED TO CHILDREN

By appointment from the secretary of the Board of Inspectors of Child Labor to represent them in the city of Salem, this office has issued 261 working permits, as follows:

### YEAR 1919

	Girls	Boys	Total
Vacation permits issued to minors between 14 and 16.....	83	18	106
Vacation permits issued to minors between 16 and 18.....	1	---	1
Total .....	89	18	107

### YEAR 1920

Vacation permits issued to minors between 14 and 16.....	91	28	119
Vacation permits issued to minors between 16 and 18.....	10	1	11
Permits issued before close of school, of which number 5 were between 16 and 18 .....	5	3	8
Total .....	106	32	138
Total for two years .....	195	50	245
Requests for permits by minors under age of 14:			
During year 1919 (not granted) .....	8	3	11
During year 1920 (not granted) .....	4	1	5
Total .....	12	4	16

In addition, 206 requests received by mail for working permits outside of Salem were referred by this office to the secretary of the board in Portland for their attention.

## INDUSTRIAL LIGHTING

An act was passed by the legislature in 1919 authorizing the Commissioner of Labor Statistics and Inspector of Factories and Workshops to establish certain minimum values for lighting in all places of employment, and providing for the appointment of a commission to establish a schedule of minimum lighting values. Such commission was to consist of three members, one to represent the manufacturing interests, one to represent the operating electrical workers, and the third to be an electrical engineer, and in conformity with this provision the Commissioner of Labor appointed the following commission on May 24, 1919:

F. C. Knapp, of the Peninsula Lumber Company, Portland, to represent the manufacturers; V. H. Haybarker, electrician in the Oregonian Building, Portland, to represent the operating electrical workers; and F. H. Murphy, an electrical engineer, of Portland.

This commission held five meetings extending over a period of about five months, and at a meeting on November 19, 1919, an industrial lighting code for the state of Oregon was adopted, 4,000 copies of which were ordered printed and distributed to the industrial plants in the state.

The commission made illumination tests with a standard foot candle meter in one office building, one manufacturing plant, and one sawmill. While the lighting intensity in a few places was found to be below the standard the majority of places were well above the requirement. It is hoped that a survey can be made of all plants during the coming winter with a view to adjusting and correcting any violations found.

## JAPANESE AND CHINESE POPULATION IN STATE OF OREGON

Many of the Japanese and Chinese laborers are engaged in section work on railroads, in hopyards, fish canneries and in sawmills. As the work of gathering these data extended over a period of several months, and as they change frequently from place to place, engaged for the most part in seasonal work, there is a possibility that duplications have occurred, but the information is approximately correct.

In our search we found considerable evidence that Japanese are heavily interested in corporations owning large tracts of land. We would, therefore, recommend that legislation be passed compelling all corporations to file statements with the assessor, giving a list of their stockholders and the amount of stock owned by each.

The Bureau of Labor is indebted to all who assisted by furnishing information for these statistics. Especially do we feel thankful to the Japanese and Chinese consuls for their valuable assistance and advice, and to the officials of the various counties who so generously assisted us in securing data relative to property owned by Japanese and Chinese.

Tables I, II, III and IV show the approximate number of Japanese and Chinese in the state of Oregon, number of males and females, number married, number of children, also number of children born in 1919, and indicate to what extent the Japanese and Chinese are engaged in business, giving the classes of employment followed for the most part by the wage earners. The tables show also the approximate percentage spent for domestic and foreign goods, the average yearly income, average amount spent yearly for house rent, and the amount of real estate owned by Japanese and Chinese as well as the assessed valuation of same.

In securing the data for these tables, every county in the state was visited and where Japanese or Chinese were found to reside a number

of them were interviewed. It was learned in this way that compared with six or seven years ago the total expenditure for domestic goods is now considerably larger. This condition, however, is no doubt due to the curtailment of shipping facilities during the war.

### GENERAL INDUSTRIAL STATISTICS

Table V shows the values of ground, buildings, machinery, output for 1919, and capital in companies, covering only plants using two horsepower or over.

In this table a comparison of investments is shown in the various industries in the state as indicated by the values of the grounds and buildings occupied, value of the machinery used in manufacturing processes, capital in the firms of each group, and the value of the manufactured product during 1919.

A number of firms are operating on leased premises, and as the lessees in the most cases were unwilling to place an arbitrary value on same, totals are not given for all the firms listed.

Some firms, too, have no working capital aside from that actually invested in the machinery, and others failed to furnish the value of output, as no record had been kept of same.

From the point of investment and value of output, the class listed as metal products is first, followed by food products, and wood and wood products. It will be noted, however, that shipyards are classified under the heading metal products, and as these statistics cover the year 1919, this may not be a permanent condition.

The average daily wage is shown in table VI, covering both males and females, skilled and unskilled, in the same industries as covered in table V. The total number of employees is given also, and the total amount paid in wages in the year 1919.

Due to the fact that some replies to our questionnaire were incomplete, we have attempted to show only the information furnished us by indicating in each column the number of firms actually reporting.

The labor cost for every \$100,000.00 of output for the year 1919 is shown in table VII.

It is to be noted that the industries listed under the heading of wood and wood products take the lead in this table, rather than metal products as in table III, because labor cost is greater per \$100,000.00 of output in those industries. Food products are next in line, followed by metal products.

Table VIII compares the number of females to total number of employees, and wage scale, dealing with women in industry and covering all plants with three or more women employees.

The number of male employees is also given to show in what proportion women are employed, as well as the average wage for males and females. Piece workers are also noted in the table.

Table IX deals with women in industry as to the number of days worked per week—less than six days, six days and seven days—and as to the number of hours worked each day—less than eight hours, eight hours, over eight and under nine hours, and nine hours.

Table X shows the number of women in industry supporting dependents, their marital condition, and the number of dependents, children and adults.

TABLE I.—JAPANESE POPULATION IN OREGON

COUNTIES	Number of Japanese	Males	Females	Children	Married (Couples)	Children Born 1919	Engaged in Commercial Business
Baker .....	197	156	33	8	32	3	22
Benton .....	34	30	3	1	2	—	—
Clackamas .....	163	58	39	66	37	10	—
Clatsop .....	535	400	55	80	38	9	9
Columbia .....	101	92	7	2	7	—	—
Coos .....	8	3	2	3	2	1	—
Crook .....	2	2	—	—	—	—	—
Curry .....	—	—	—	—	—	—	—
Deschutes .....	53	35	7	11	7	1	—
Douglas .....	6	2	1	3	1	—	—
Gilliam .....	25	25	—	—	—	—	—
Grant .....	37	32	3	2	3	—	—
Harney .....	7	4	2	1	2	1	—
Hood River .....	383	196	81	106	81	29	5
Jackson .....	76	28	22	26	22	4	—
Jefferson .....	41	38	2	1	2	—	—
Josephine .....	7	3	2	2	1	—	—
Klamath .....	22	14	2	6	2	—	9
Lake .....	4	4	—	—	—	—	—
Lane .....	42	37	3	2	2	—	—
Lincoln .....	7	6	1	—	1	—	—
Linn .....	15	15	—	—	—	3	1
Malheur .....	16	7	3	6	3	3	—
Marion .....	177	98	47	32	47	6	6
Morrow .....	5	5	—	—	—	—	—
Multnomah .....	2,021	1,004	466	551	445	117	222
Polk .....	218	158	47	13	45	2	—
Sherman .....	—	—	—	—	—	—	—
Tillamook .....	—	—	—	—	—	—	—
Umatilla .....	58	34	10	14	10	3	2
Union .....	115	95	10	10	10	2	5
Wallowa .....	—	—	—	—	—	—	—
Wasco .....	72	42	15	15	14	3	5
Washington .....	90	41	18	31	18	6	—
Wheeler .....	—	—	—	—	—	—	—
Yamhill .....	10	2	2	6	2	—	—
Totals .....	4,547	2,666	833	998	836	200	286

No. of Males Working for Wages			No. of Females Working for Wages			Average Daily Wage		Average Yearly Income		Average Yearly House Rental <sup>①</sup>
Commercial Field	Industrial Field	Agricultural Field	Commercial Field	Industrial Field	Agricultural Field	Males	Females	Males	Females	
32	101	-----	5	-----	-----	\$3.75	\$2.00	\$1,125.00	\$ 600.00	\$ 300.00
1	10	20	-----	-----	-----	4.33	-----	1,240.00	-----	-----
5	3	54	-----	-----	1	4.25	2.75	1,200.00	750.00	-----
-----	386	-----	10	-----	-----	3.90	2.00	1,030.00	650.00	-----
-----	92	-----	-----	-----	-----	5.00	-----	1,250.00	-----	-----
-----	3	-----	-----	-----	-----	5.00	-----	1,250.00	-----	-----
2	-----	-----	-----	-----	-----	4.50	-----	900.00	-----	-----
-----	35	-----	-----	-----	-----	3.60	-----	1,000.00	-----	-----
-----	2	-----	-----	-----	-----	4.80	-----	1,200.00	-----	-----
-----	25	-----	-----	-----	-----	3.60	-----	1,000.00	-----	-----
-----	32	-----	-----	-----	-----	3.60	-----	1,000.00	-----	-----
-----	4	-----	-----	-----	-----	3.60	-----	900.00	-----	-----
-----	48	143	-----	-----	-----	4.00	-----	1,200.00	-----	360.00
10	18	-----	2	-----	-----	4.25	2.25	1,200.00	600.00	144.00
-----	38	-----	-----	-----	-----	4.70	-----	1,200.00	-----	-----
-----	3	-----	-----	-----	-----	4.00	-----	1,100.00	-----	-----
-----	-----	5	-----	-----	-----	3.75	-----	800.00	-----	150.00
-----	4	-----	-----	-----	-----	3.50	-----	800.00	-----	-----
-----	37	-----	-----	-----	-----	5.00	-----	1,250.00	-----	-----
-----	6	-----	-----	-----	-----	3.60	-----	900.00	-----	-----
-----	15	-----	-----	-----	-----	3.40	-----	980.00	-----	-----
-----	6	-----	-----	-----	-----	3.40	-----	900.00	-----	-----
-----	60	32	3	-----	-----	4.75	2.50	1,200.00	650.00	240.00
-----	5	-----	-----	-----	-----	3.60	-----	850.00	-----	-----
151	456	175	42	-----	-----	4.18	2.00	1,100.00	600.00	450.00
-----	40	118	-----	-----	-----	4.95	-----	1,250.00	-----	240.00
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	32	8	-----	-----	-----	4.25	-----	1,100.00	-----	350.00
-----	90	-----	-----	-----	-----	3.60	-----	1,000.00	-----	120.00
1	23	13	1	-----	-----	3.60	2.50	1,000.00	750.00	240.00
-----	20	21	-----	-----	-----	4.50	-----	1,100.00	-----	-----
-----	1	1	-----	-----	-----	3.60	-----	1,000.00	-----	-----
202	1,595	590	63	-----	1	-----	-----	-----	-----	-----

① Where no estimate of yearly rental is given, buildings occupied are either of nominal value or are used for business also.

TABLE II.—CHINESE POPULATION IN OREGON

COUNTIES	Number of Chinese	Males	Females	Children	Married (Couples)	Children Born 1919	Engaged in Commercial Business
Baker .....	79	74	1	4	1	.....	20
Benton .....	6	4	1	1	1	1	.....
Clackamas .....	21	21	.....	.....	.....	.....	.....
Clatsop .....	277	200	17	60	17	7	22
Columbia .....	.....	.....	.....	.....	.....	.....	.....
Coos .....	37	16	4	17	4	1	3
Crook .....	.....	.....	.....	.....	.....	.....	.....
Curry .....	.....	.....	.....	.....	.....	.....	.....
Deschutes .....	.....	.....	.....	.....	.....	.....	.....
Douglas .....	14	14	.....	.....	.....	.....	.....
Gilliam .....	.....	.....	.....	.....	.....	.....	.....
Grant .....	20	20	.....	.....	.....	.....	.....
Harney .....	6	6	.....	.....	.....	.....	2
Hood River .....	11	11	.....	.....	.....	.....	.....
Jackson .....	29	25	2	2	2	.....	2
Jefferson .....	.....	.....	.....	.....	.....	.....	.....
Josephine .....	8	8	.....	.....	.....	.....	.....
Klamath .....	4	4	.....	.....	.....	.....	.....
Lake .....	2	2	.....	.....	.....	.....	.....
Lane .....	18	17	1	.....	1	.....	1
Lincoln .....	7	7	.....	.....	.....	.....	.....
Linn .....	15	15	.....	.....	.....	.....	1
Malheur .....	4	4	.....	.....	.....	.....	.....
Marion .....	64	35	9	20	7	3	7
Morrow .....	8	6	1	1	1	1	.....
Multnomah .....	2,800	2,300	200	300	160	20	600
Polk .....	11	5	1	5	1	.....	.....
Sherman .....	.....	.....	.....	.....	.....	.....	.....
Tillamook .....	.....	.....	.....	.....	.....	.....	.....
Umatilla .....	78	74	2	2	2	.....	12
Union .....	36	34	2	.....	2	.....	4
Wallowa .....	6	6	.....	.....	.....	.....	2
Wasco .....	51	40	4	7	4	1	4
Washington .....	.....	.....	.....	.....	.....	.....	.....
Wheeler .....	.....	.....	.....	.....	.....	.....	.....
Yamhill .....	5	5	.....	.....	.....	.....	.....
Totals .....	3,617	2,953	245	419	203	34	680

No. of Males Working for Wages			No. of Females Working for Wages			Average Daily Wage		Average Yearly Income		Average Yearly House Rental ①
Commercial Field	Industrial Field	Agricultural Field	Commercial Field	Industrial Field	Agricultural Field	Males	Females	Males	Females	
.....	54	.....	.....	.....	.....	\$3.64	\$.....	\$ 800.00	\$.....	\$.....
.....	4	.....	.....	.....	.....	4.00	.....	700.00	.....	.....
5	6	.....	.....	.....	.....	3.78	.....	700.00	.....	.....
.....	178	10	.....	.....	.....	3.75	.....	800.00	.....	375.00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	13	.....	.....	.....	.....	3.75	.....	750.00	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	14	.....	.....	.....	.....	3.75	.....	850.00	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	20	.....	.....	.....	.....	4.00	.....	700.00	.....	.....
.....	4	.....	.....	.....	.....	4.00	.....	750.00	.....	.....
.....	11	.....	.....	.....	.....	4.00	.....	800.00	.....	.....
.....	23	.....	.....	.....	.....	3.00	.....	600.00	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	8	.....	.....	.....	.....	3.75	.....	800.00	.....	.....
.....	.....	.....	.....	.....	.....	3.50	.....	700.00	.....	.....
.....	2	4	.....	.....	.....	4.50	.....	1,000.00	.....	.....
.....	16	.....	.....	.....	.....	4.00	.....	900.00	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	7	.....	.....	.....	.....	4.00	.....	700.00	.....	.....
.....	14	.....	.....	.....	.....	4.00	.....	750.00	.....	.....
.....	4	.....	.....	.....	.....	4.00	.....	600.00	.....	.....
3	10	15	2	.....	.....	3.00	2.00	800.00	550.00	250.00
.....	6	.....	.....	.....	.....	3.75	.....	700.00	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
300	1,250	150	65	.....	.....	2.75	1.50	700.00	450.00	145.00
.....	3	2	.....	.....	.....	4.50	.....	800.00	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	62	.....	.....	.....	.....	3.75	.....	800.00	.....	120.00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	30	.....	.....	.....	.....	4.00	.....	850.00	.....	160.00
.....	4	.....	.....	.....	.....	4.00	.....	900.00	.....	.....
.....	36	.....	.....	.....	.....	4.40	.....	800.00	.....	240.00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	5	.....	.....	.....	.....	4.50	.....	900.00	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
308	1,784	181	67	.....	.....	.....	.....	.....	.....	.....

① Where no estimate of yearly rental is given, buildings occupied are either of nominal value or are used for business also.

TABLE III.—JAPANESE EXPENDITURES AND PROPERTY HOLDINGS

COUNTIES	Percentage Spent for Domestic and Foreign Products		Amount of Property Owned and Assessed Valuation			
	Domestic	Foreign	City Property (Lots)	Assessed Valuation Ground and Improvements	Acres	Assessed Valuation With Improvements
Baker .....	80	20	----	\$-----	-----	\$-----
Benton .....	85	15	----	-----	-----	-----
Clackamas ① .....	90	10	----	-----	181½	11,880.00
Clatsop .....	60	40	2	344.00	-----	-----
Columbia .....	85	15	----	-----	30	450.00
Coos .....	90	10	----	-----	-----	-----
Crook ② .....	----	----	----	-----	-----	-----
Curry .....	----	----	----	-----	-----	-----
Deschutes .....	80	20	----	-----	-----	-----
Douglas .....	80	20	----	-----	-----	-----
Gilliam .....	80	20	----	-----	-----	-----
Grant .....	80	20	----	-----	-----	-----
Harney .....	85	15	----	-----	-----	-----
Hood River ③ .....	85	15	51	15,865.00	1,273	70,345.00
Jackson .....	90	10	8	342.00	120	2,110.00
Jefferson .....	75	25	----	-----	-----	-----
Josephine .....	90	10	----	-----	-----	-----
Klamath .....	60	40	----	-----	2,601	26,010.00
Lake .....	85	15	3	800.00	10	100.00
Lane .....	80	20	4	80.00	-----	-----
Lincoln .....	80	20	39	195.00	200	1,500.00
Linn .....	85	15	----	-----	-----	-----
Malheur .....	85	15	1	230.00	36	2,920.00
Marion .....	75	25	----	-----	51	1,210.00
Morrow .....	90	10	----	-----	-----	-----
Multnomah ④ .....	92	8	⑤	⑤	116½	18,110.00
Polk .....	80	20	----	-----	-----	-----
Sherman .....	----	----	----	-----	-----	-----
Tillamook .....	----	----	----	-----	-----	-----
Umatilla .....	85	15	----	-----	-----	-----
Union .....	85	15	----	-----	-----	-----
Wallowa .....	----	----	1	8,000.00	-----	-----
Wasco .....	85	15	1	60.00	83	7,620.00
Washington .....	85	15	2	-----	-----	-----
Wheeler .....	85	15	----	-----	-----	-----
Yamhill .....	85	15	----	-----	-----	-----
Totals .....	----	----	111	\$25,916.00	4,702	\$142,255.00

① In Clackamas County Japanese are leasing also 1,334 acres assessed at \$98,280.

② In Crook County two Japanese bought 200 acres for which they paid \$14,000—not yet of record—information furnished by one of the purchasers.

③ In Hood River County Japanese are also paying taxes on 332 acres assessed at \$46,260.

④ In Multnomah County Japanese are also leasing 3,459 acres assessed at \$493,370.

⑤ Figures not available.

TABLE IV.—CHINESE EXPENDITURES AND PROPERTY HOLDINGS

COUNTIES	Percentage Spent for Domestic and Foreign Products		Amount of Property Owned and Assessed Valuation			
	Domestic	Foreign	City Property (Lots)	Assessed Valuation Ground and Improvements	Acreage	Assessed Valuation With Improvements
Baker .....	80	20	9	\$ 5,300.00	-----	\$ -----
Benton .....	85	15	2	100.00	-----	-----
Clackamas ① .....	75	25	-----	-----	320	16,590.00
Clatsop .....	85	15	25	9,657.00	5	1,000.00
Columbia .....	-----	-----	-----	-----	-----	-----
Coos .....	80	20	26	28,125.00	-----	-----
Crook .....	-----	-----	-----	-----	-----	-----
Curry .....	-----	-----	-----	-----	-----	-----
Deschutes .....	-----	-----	-----	-----	-----	-----
Douglas .....	75	25	-----	-----	-----	-----
Gilliam .....	-----	-----	-----	-----	-----	-----
Grant .....	90	10	5	1,280.00	-----	-----
Harney .....	90	10	4	1,000.00	-----	-----
Hood River .....	85	15	-----	-----	-----	-----
Jackson .....	80	20	6	1,970.00	-----	-----
Jefferson .....	-----	-----	-----	-----	-----	-----
Josephine .....	60	40	-----	-----	-----	-----
Klamath .....	90	10	-----	-----	1,224	12,240.00
Lake .....	100	-----	1	400.00	-----	-----
Lane .....	100	-----	-----	-----	-----	-----
Lincoln .....	95	5	-----	-----	-----	-----
Linn .....	95	5	-----	-----	-----	-----
Malheur .....	100	-----	-----	-----	-----	-----
Marion .....	90	10	1	1,000.00	940	39,070.00
Morrow .....	80	20	-----	-----	-----	-----
Multnomah ① .....	70	30	③-----	③-----	38	800.00
Polk .....	90	10	-----	-----	-----	-----
Sherman .....	-----	-----	-----	-----	-----	-----
Tillamook .....	-----	-----	47	1,550.00	10	450.00
Umatilla .....	85	15	-----	-----	-----	-----
Union .....	80	20	7	790.00	3½	500.00
Wallowa .....	90	10	3	3,900.00	-----	-----
Wasco .....	90	10	3	2,300.00	-----	-----
Washington .....	-----	-----	-----	-----	-----	-----
Wheeler .....	-----	-----	-----	-----	-----	-----
Yamhill .....	90	10	-----	-----	-----	-----
Totals .....	-----	-----	139	\$57,372.00	2,540½	\$ 70,650.00

① In Clackamas County Chinese are also leasing 120 acres assessed at \$13,920.

② In Multnomah County Chinese are also leasing 168 acres assessed at \$31,970.

③ Figures not available.

**TABLE V.—SHOWING VALUES OF GROUND, BUILDINGS, MACHINERY, OUTPUT FOR 1919, AND CAPITAL IN COMPANIES**

(Covering only plants using 2 horsepower or over)

ITEMS	Number of Plants	Value of Ground	
		Number Reporting	Value
<b>Wood and Wood Products:</b>			
Logging .....	126	—	\$ —
Sawmills and planers .....	259	132	4,495,331.73
Planers, box, barrel and pipe factories .....	36	28	390,214.29
Sash, door and furniture factories .....	54	38	1,039,520.90
Shingle mills and wood-preserving plants .....	20	12	52,894.19
Sub-total .....	495	210	\$ 5,977,961.11
<b>Metal Products:</b>			
Boilers, foundries, patterns, heavy machinery and logging equipment .....	81	48	\$ 962,037.80
Machine and electric fixtures .....	99	53	453,471.57
Sheet, ornamental iron, alloys and plating .....	21	12	296,896.04
General blacksmithing .....	12	8	21,505.00
Structural steel and shipyards .....	12	2	29,000.00
Saw works .....	9	5	182,000.00
Sub-total .....	234	128	\$ 1,944,910.41
<b>Food Products:</b>			
Creameries .....	77	51	\$ 232,625.00
Flour, feed and cereals .....	106	87	976,753.50
Fruits, vegetables and fish .....	65	46	1,078,579.37
Bakeries .....	25	14	211,700.00
Coffee, spice, extracts, syrups, pickles and vinegar .....	13	4	34,012.50
Biscuits, confections and paste products .....	11	4	48,000.00
Meat packing .....	21	9	327,619.27
Ice and cold storage .....	14	10	129,866.00
Beverages .....	7	4	46,000.00
Sub-total .....	339	229	\$ 3,085,155.64
<b>Paper and Paper Products</b> .....	5	3	\$ 352,523.12
<b>Textiles, Clothing and Furnishings:</b>			
Laundries and dye works .....	25	17	\$ 223,850.00
Woolen mills and wool scouring .....	11	9	93,803.16
Boots and shoes .....	7	1	10,000.00
Miscellaneous furnishings .....	16	6	93,800.00
Sub-total .....	59	33	\$ 421,453.16
<b>Clay and Stone Products:</b>			
Crushed rock, concrete and marble .....	27	11	\$ 203,728.40
Brick, tile, pottery and asbestos .....	15	12	99,153.05
Sub-total .....	42	23	\$ 302,881.45
<b>Miscellaneous Manufacturing:</b>			
Electricity and gas .....	37	20	\$ 394,475.74
Water .....	17	17	112,852.40
Chemicals, soap, paints and oils .....	10	9	182,800.00
Sub-total .....	64	46	\$ 690,128.14
<b>Mining</b> .....	8	2	\$ 337,010.00
<b>Leather and Rubber</b> .....	13	4	\$ 42,650.00
<b>Printing and Publishing</b> .....	54	9	\$ 407,285.69
<b>Grand total</b> .....	1,313	687	\$ 13,561,958.72

Value of Buildings		Value of Machinery		Capital in Company		Value of Output	
Number Reporting	Value	Number Reporting	Value	Number Reporting	Value	Number Reporting	Value
195	\$ 5,323,831.04	103	\$ 3,721,429.67	79	\$ 23,758,119.27	117	\$ 14,557,833.72
29	643,121.67	229	11,314,047.82	224	53,287,247.73	233	52,040,421.66
39	673,045.07	34	672,250.55	32	3,203,889.42	29	5,611,277.40
15	159,749.83	52	1,334,952.92	48	4,296,468.42	40	5,689,898.43
		17	360,735.37	14	239,400.00	16	1,639,366.28
278	\$ 6,799,747.61	435	\$17,403,416.33	397	\$ 84,785,124.84	435	\$ 79,538,797.49
54	\$ 786,221.64	71	\$ 1,419,633.11	71	\$ 5,142,232.65	57	\$ 15,241,375.63
59	595,050.03	92	444,043.64	82	3,103,543.98	25	1,967,847.00
14	198,671.67	21	475,437.96	18	770,683.32	20	5,608,444.47
8	17,000.00	10	22,100.00	8	40,500.00	5	93,230.48
9	866,305.22	10	575,890.18	10	6,496,000.00	9	80,762,813.11
6	90,282.63	8	197,890.00	8	528,362.00	8	1,525,529.47
150	\$ 2,553,531.19	212	\$ 3,134,994.89	197	\$ 16,081,321.95	124	\$105,194,240.16
57	\$ 412,281.76	71	\$ 891,646.49	66	\$ 8,200,402.45	68	\$ 10,722,716.71
97	2,148,648.34	100	1,767,996.11	92	15,676,783.12	61	36,475,251.37
57	1,903,325.41	63	1,261,679.12	56	37,382,200.44	56	16,087,086.03
15	311,602.07	24	226,437.24	23	846,816.96	22	3,545,357.72
4	65,500.00	11	178,555.16	11	851,967.28	11	3,983,541.66
5	82,474.81	10	236,032.82	10	941,498.19	10	4,136,151.16
11	1,150,875.04	20	650,696.64	20	823,713.21	15	13,469,747.25
14	182,598.38	13	242,353.15	12	686,383.06	12	146,428.80
5	607,408.76	7	248,416.76	6	1,358,000.00	6	731,623.80
265	\$ 6,864,714.57	319	\$ 5,703,813.49	296	\$ 66,767,764.71	261	\$ 89,297,904.50
3	\$ 611,735.02	4	\$ 1,278,671.29	5	\$ 16,044,310.30	5	\$ 6,451,923.79
17	\$ 137,300.00	24	\$ 437,994.60	25	\$ 578,813.66	9	\$ 468,480.75
9	275,688.58	10	468,008.81	11	2,262,900.00	9	5,936,547.02
1	5,000.00	5	30,950.00	7	144,950.00	6	137,619.50
6	160,600.00	16	133,608.46	16	1,971,372.73	16	2,886,861.41
33	\$ 578,588.58	55	\$ 1,070,561.87	59	\$ 4,958,036.39	40	\$ 9,429,508.68
16	\$ 218,082.72	24	\$ 202,998.07	26	\$ 2,311,879.30	26	\$ 1,399,784.94
13	89,420.62	15	123,186.02	14	461,375.21	13	1,477,277.87
29	\$ 307,503.34	39	\$ 326,184.09	40	\$ 2,773,254.51	39	\$ 2,877,062.81
20	\$ 1,230,832.32	23	\$ 3,599,666.71	25	\$ 50,559,465.99	10	\$ 2,918,019.84
15	612,378.13	14	168,061.50	10	962,897.69	4	143,066.41
9	201,960.00	9	198,984.73	10	3,544,390.19	8	1,353,168.52
44	\$ 2,045,170.45	46	\$ 3,966,712.94	45	\$ 55,066,753.87	22	\$ 4,414,254.77
5	\$ 219,500.00	5	\$ 397,000.00	5	\$ 1,855,553.21	3	\$ 164,459.14
4	\$ 21,968.20	12	\$ 102,869.61	12	\$ 944,105.00	10	\$ 1,968,004.66
10	\$ 393,661.36	50	\$ 862,924.93	48	\$ 2,147,684.26	40	\$ 2,285,520.37
821	\$20,396,120.32	1,177	\$34,247,149.44	1,104	\$251,423,909.04	979	\$301,621,676.37

TABLE VI.—AVERAGE WAGE FOR MALES AND FEMALES  
IN INDUSTRIES

ITEMS	Number of Plants	Number of Employees			
		Males		Females	
		Number Reporting	Number	Number Reporting	Number
<b>Wood and Wood Products:</b>					
Logging .....	126	125	6,451	-----	-----
Sawmills and planers .....	259	256	16,368	-----	-----
Planers, box, barrel and pipe factories....	36	36	1,601	13	170
Sash, door and furniture factories .....	54	53	1,745	22	137
Shingle mills and wood-preserving plants	20	20	394	-----	-----
Sub-total .....	495	490	26,559	35	307
<b>Metal Products:</b>					
Boilers, foundries, patterns, heavy machinery and logging equipment.....	81	80	4,220	19	69
Machine and electric fixtures .....	99	94	1,438	29	92
Sheet, ornamental iron, alloys and plating .....	21	21	528	9	174
General blacksmithing .....	12	10	31	-----	-----
Structural steel and shipyards .....	12	12	19,248	7	153
Saw works .....	9	9	325	-----	-----
Sub-total .....	234	226	25,790	64	488
<b>Food Products:</b>					
Creameries .....	77	76	620	34	104
Flour, feed and cereals .....	106	102	1,080	20	65
Fruits, vegetables and fish .....	65	63	2,312	53	2,952
Bakeries .....	25	24	402	18	68
Coffee, spice, extracts, syrups, pickles and vinegar .....	13	13	146	10	81
Biscuits, confections and paste products	11	11	303	9	472
Meat packing .....	21	21	785	11	103
Ice and cold storage .....	14	14	92	-----	-----
Beverages .....	7	7	116	1	1
Sub-total .....	339	331	5,856	156	3,846
<b>Paper and Paper Products</b> .....	5	5	1,838	4	124
<b>Textiles, Clothing and Furnishings:</b>					
Laundries and dye works .....	25	24	208	24	463
Woolen mills and wool scouring .....	11	11	676	9	800
Boots and shoes .....	7	7	62	3	8
Miscellaneous furnishings .....	16	16	206	14	455
Sub-total .....	59	58	1,152	50	1,726
<b>Clay and Stone Products:</b>					
Crushed rock, concrete and marble .....	27	27	367	2	2
Brick, tiles, pottery and asbestos .....	15	15	201	2	5
Sub-total .....	42	42	568	4	7
<b>Miscellaneous Manufacturing:</b>					
Electricity and gas .....	37	36	826	7	12
Water .....	17	17	38	2	3
Chemicals, soap, paints and oils .....	10	10	320	4	110
Sub-total .....	64	63	1,184	13	125
<b>Mining</b> .....	8	7	380	2	42
<b>Leather and Rubber</b> .....	13	11	222	6	48
<b>Printing and Publishing</b> .....	54	51	926	39	227
<b>Grand total</b> .....	1,313	1,284	64,475	373	6,940

Average Daily Wage								Total Wages Paid Labor Year 1919	
Males				Females				Number Reporting	Amount
Skilled		Unskilled		Skilled		Unskilled			
Number Reporting	Wage	Number Reporting	Wage	Number Reporting	Wage	Number Reporting	Wage		
92	\$ 6.11	112	\$ 5.00	-----	\$ -----	-----	\$ -----	101	\$ 6,999,018.52
223	5.57	193	4.45	-----	-----	-----	-----	209	17,808,192.33
33	5.43	21	4.52	-----	-----	15	3.45	29	1,560,464.15
53	5.30	26	4.06	-----	-----	24	2.98	48	1,746,388.97
20	7.28	13	4.86	-----	-----	-----	-----	18	354,957.33
421	\$ 5.69	365	\$ 4.58	-----	\$ -----	39	\$ 3.25	405	\$28,469,011.30
74	\$ 5.92	41	\$ 4.02	-----	\$ -----	12	\$ 3.60	71	\$ 6,831,554.30
90	6.05	40	4.00	-----	-----	20	3.52	71	1,583,710.09
21	6.34	7	4.49	-----	-----	9	2.94	20	928,904.55
10	6.20	4	3.63	-----	-----	-----	-----	9	39,327.27
12	5.83	8	4.15	-----	-----	4	3.40	11	15,870,108.48
9	5.74	6	4.57	-----	-----	-----	-----	9	430,838.64
216	\$ 5.86	106	\$ 4.13	-----	\$ -----	45	\$ 3.26	191	\$25,684,443.33
73	\$ 5.13	45	\$ 3.92	-----	\$ -----	33	\$ 2.82	67	\$ 1,913,683.68
90	6.09	44	4.58	-----	-----	15	3.13	69	1,046,551.46
54	5.13	50	4.18	-----	-----	33	3.01	57	1,715,740.27
23	6.34	16	4.07	-----	-----	12	2.79	20	609,259.83
13	4.60	9	3.91	-----	-----	12	2.40	13	192,802.60
11	4.88	7	3.56	-----	-----	9	2.53	11	501,012.86
21	5.81	5	4.10	-----	-----	5	3.49	18	851,471.14
11	5.19	8	4.95	-----	-----	-----	-----	12	87,051.34
7	5.44	2	3.67	-----	-----	-----	-----	7	133,764.55
303	\$ 5.54	186	\$ 4.18	-----	\$ -----	119	\$ 2.91	274	\$ 7,051,337.73
5	\$ 4.91	2	\$ 3.70	-----	\$ -----	4	\$ 2.00	5	\$ 2,146,695.16
-----	\$ -----	25	\$ 4.97	-----	\$ -----	24	\$ 2.63	25	\$ 550,332.90
9	5.86	7	4.10	8	4.06	5	2.51	8	1,014,922.67
7	5.73	-----	-----	3	3.06	-----	-----	7	108,163.40
15	5.70	6	3.49	13	2.61	5	1.87	14	352,790.11
31	\$ 5.82	38	\$ 4.62	24	\$ 3.59	34	\$ 2.48	54	\$ 2,026,209.08
26	\$ 6.34	25	\$ 4.56	-----	\$ -----	2	\$ 3.54	27	\$ 489,669.94
13	5.60	9	4.25	-----	-----	2	3.13	12	198,185.80
39	\$ 6.02	34	\$ 4.47	-----	\$ -----	4	\$ 3.25	39	\$ 687,855.74
33	\$ 5.22	12	\$ 4.17	-----	\$ -----	6	\$ 3.13	23	\$ 1,605,371.80
12	4.70	3	3.53	-----	-----	1	3.50	14	47,724.45
10	7.22	4	5.21	-----	-----	4	2.26	8	417,848.29
55	\$ 5.77	19	\$ 4.44	-----	\$ -----	11	\$ 2.33	45	\$ 2,070,944.54
8	\$ 5.16	8	\$ 4.40	1	\$ 4.25	1	\$ 2.50	7	\$ 514,304.23
13	\$ 5.35	4	\$ 4.44	5	\$ 3.25	4	\$ 2.45	11	\$ 355,154.39
50	\$ 6.35	19	\$ 4.21	32	\$ 3.48	16	\$ 2.73	45	\$ 1,089,132.13
1,141	\$ 5.80	781	\$ 4.37	62	\$ 3.57	277	\$ 2.84	1,076	\$70,095,087.63

TABLE VII.—COMPARATIVE TABLE SHOWING LABOR COST

ITEMS	Total Number of Firms	Number of Firms Reporting	Value of Output for 1919	Amount Paid in Wages for 1919	Amount Paid in Wages per \$100,000 of Output
<b>Wood and Wood Products:</b>					
Logging .....	126	95	\$ 13,075,651.10	\$ 6,304,739.12	\$ 48,219.73
Sawmills and planers .....	259	184	46,903,438.46	16,777,866.79	35,243.57
Planers, box, barrel and pipe factories .....	26	25	3,671,436.32	1,514,556.20	39,431.02
Sash, door and furniture factories .....	64	36	5,073,486.53	1,839,853.01	30,553.89
Shingle mills and wood-preserving plants .....	20	14	1,820,535.94	276,335.68	18,179.98
<b>Sub-total .....</b>	<b>495</b>	<b>353</b>	<b>\$ 70,144,590.35</b>	<b>\$ 25,813,193.80</b>	<b>\$ 36,800.28</b>
<b>Metal Products:</b>					
Boilers, foundries, patterns, heavy machinery and logging equipment .....	81	53	\$ 14,634,378.13	\$ 6,833,202.00	\$ 45,327.33
Machine and electric fixtures .....	90	22	1,929,947.00	1,155,131.95	59,382.42
Sheet, ornamental iron, alloys and plating .....	21	19	5,567,444.47	903,832.05	16,325.19
General blacksmithing .....	12	8	5,159,155.00	18,832.00	32,003.38
Structural steel and shipyards .....	12	8	59,162,843.11	15,543,067.79	26,272.04
<b>Saw works .....</b>	<b>9</b>	<b>8</b>	<b>1,525,529.47</b>	<b>418,888.64</b>	<b>27,464.83</b>
<b>Sub-total .....</b>	<b>234</b>	<b>113</b>	<b>\$ 82,879,287.18</b>	<b>\$ 24,672,935.43</b>	<b>\$ 29,769.82</b>
<b>Food Products:</b>					
Creameries .....	77	60	\$ 10,155,238.86	\$ 1,176,809.44	\$ 11,588.47
Flour, feed and cereals .....	106	46	32,340,745.70	928,288.83	2,870.34
Fruits, vegetables and fish .....	65	51	14,139,886.24	1,514,142.38	10,708.98
Bakeries .....	25	18	3,952,349.94	1,800,945.71	17,326.15
Coffee, spice, extracts, syrups, pickles and vinegar .....	13	11	3,982,541.66	180,849.59	1,540.50
Biscuits, confections and paste products .....	11	10	4,156,151.16	476,738.34	11,562.06
Meat packing .....	21	13	13,129,346.25	748,576.88	5,701.71
Ice and cold storage .....	14	12	136,448.80	87,061.34	64,008.34
Beverages .....	7	6	731,623.80	117,284.55	16,041.66
<b>Sub-total .....</b>	<b>339</b>	<b>227</b>	<b>\$ 82,106,295.41</b>	<b>\$ 5,809,633.06</b>	<b>\$ 7,075.77</b>
<b>Paper and Paper Products:</b>					
Textiles, Clothing and Furnishings:					
Laundries and dye works .....	5	5	\$ 6,451,923.79	\$ 2,146,695.16	\$ 33,276.93
Woolen mills and wool scouring .....	25	9	\$ 468,430.75	\$ 204,015.25	\$ 43,693.00
Boots and shoes .....	11	7	4,996,698.44	1,012,822.67	20,272.67
Miscellaneous furnishings .....	7	6	1,377,619.50	102,532.40	74,877.66
<b>Sub-total .....</b>	<b>16</b>	<b>13</b>	<b>2,151,861.41</b>	<b>349,238.41</b>	<b>16,235.63</b>
<b>Sub-total .....</b>	<b>59</b>	<b>35</b>	<b>\$ 7,754,660.10</b>	<b>\$ 1,668,648.73</b>	<b>\$ 21,519.84</b>

Clay and Stone Products:							
27	26	\$	1,321,844.32	\$	474,933.86	\$	38,901.22
15	10		1,474,038.87		189,846.80		12,879.63
Sub-total							
42	36	\$	2,695,883.19	\$	664,829.66	\$	24,669.00
Miscellaneous Manufacturing:							
37	8	\$	2,818,175.00	\$	1,337,604.30	\$	43,917.82
17	3		141,066.41		23,294.35		16,520.82
10	6		1,009,069.02		303,012.54		30,030.98
Sub-total							
64	17	\$	3,968,310.43	\$	1,563,911.19	\$	39,413.08
Mining							
8	3	\$	164,459.14	\$	81,715.18	\$	49,826.33
13	9		1,653,730.66		277,291.64		16,775.05
54	35	\$	2,195,814.84	\$	527,332.20	\$	24,024.24
Printing and Publishing							
Grand total							
1,313	833	\$260,015.015.09	\$	63,226.186.05	\$	24,316.36	

## WOMEN IN INDUSTRY

TABLE VIII.—COMPARING NUMBER OF FEMALES TO TOTAL NUMBER OF EMPLOYES, AND WAGE SCALE

ITEMS	Number of Operations	Number of Employees		Average Weekly Wage		Number of Time Workers	Number of Piece Workers
		Total	Males	Females	Males	Females	
<b>Manufacturing:</b>							
Dressmaking and tailoring .....	12	75	21	54	\$ 40.00	\$ 19.23	75
Millinery .....	29	490	67	353	51.60	17.53	420
Woolen and knitting mills .....	7	1,512	639	873	28.82	19.56	1,068
Candy manufacturing .....	9	230	67	163	22.53	16.41	165
Can and box factories .....	11	1,071	703	368	28.89	16.52	1,071
Creameries .....	6	189	141	48	39.04	18.20	186
Canvas bags, mattresses and upholstering .....	9	321	183	168	24.11	13.46	270
Hemstitching, buttons, pleating, gloves, etc. ....	7	54	13	41	27.12	17.43	28
Printing .....	5	93	58	37	19.04	17.18	98
Food products, coffee, tea, spices, etc. ....	17	824	528	298	39.41	16.48	723
Garment manufacturing .....	11	707	108	599	32.77	13.23	656
Not otherwise classified .....	37	1,651	1,046	605	32.05	17.11	1,470
Sub-total .....	160	7,177	3,570	3,607	\$ 30.46	\$ 18.58	6,243
<b>Mercantile:</b>							
Drugs .....	7	69	36	33	\$ 31.25	\$ 19.69	69
Music .....	10	192	118	74	37.60	19.12	192
Furniture .....	9	288	50	268	32.34	20.87	268
Books, stationery, photo supplies .....	10	284	166	98	31.59	19.03	264
Groceries, dairies, delicatessens .....	14	104	46	58	24.64	17.06	104
Meat .....	6	128	98	32	36.18	21.27	128
General merchandise .....	53	659	316	343	27.76	17.58	659
Department stores .....	20	2,217	775	1,442	27.95	15.40	2,217
Notions, 5-10-15c stores .....	6	123	22	101	23.63	19.05	123
Variety stores .....	14	40	2	38	33.25	18.88	40
Dry goods .....	24	235	75	170	30.14	18.40	245
Ladies' ready-to-wear .....	19	137	20	167	33.96	21.47	187
Cloak and suit .....	10	84	12	69	38.50	22.34	84
Clothing, shoes and furnishings .....	14	198	102	93	30.24	19.73	198
Not otherwise classified .....	26	634	494	200	29.31	18.73	693
Sub-total .....	242	5,472	2,504	2,968	\$ 29.81	\$ 17.30	5,471
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Public Housekeeping:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</
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## WOMEN IN INDUSTRY

TABLE IX.—NUMBER OF DAYS WORKED PER WEEK AND  
NUMBER OF HOURS PER DAY

ITEMS	Total Number of Plants	Total Number of Women	Number of Plants Where Days	
			Under 6 Days	
			Plants	Women
<b>Manufacturing:</b>				
Dressmaking and tailoring .....	12	54	.....	.....
Millinery .....	29	353	2	16
Woolen and knitting mills .....	7	873	4	710
Candy manufacturing .....	9	163	2	12
Can and box factories .....	11	368	5	270
Creameries .....	6	48	1	7
Canvas bags, mattresses and upholstering .....	9	168	1	6
Hemstitching, buttons, pleating, gloves, etc. ....	7	41	3	28
Printing .....	5	37	.....	.....
Food products, coffee, tea, spices, etc. ....	17	298	3	52
Garment manufacturing .....	11	599	7	541
Not otherwise classified .....	37	605	7	49
Sub-total .....	160	3,607	35	1,691
<b>Mercantile:</b>				
Drugs .....	7	33	.....	.....
Music .....	10	74	1	14
Furniture .....	9	50	.....	.....
Books, stationery, photo supplies .....	10	98	.....	.....
Groceries, dairies, delicatessens .....	14	58	.....	.....
Meat .....	6	32	.....	.....
General merchandise .....	53	343	.....	.....
Department stores .....	20	1,442	1	8
Notions, 5-10-15c stores .....	6	101	1	5
Variety stores .....	14	38	1	3
Dry goods .....	24	170	1	9
Ladies' ready-to-wear .....	19	167	.....	.....
Cloak and suit .....	10	69	.....	.....
Clothing, shoes and furnishings .....	14	93	.....	.....
Not otherwise classified .....	26	200	2	40
Sub-total .....	242	2,968	7	79
<b>Public Housekeeping:</b>				
Confectionery stores and bakeries .....	83	323	1	1
Restaurants, cafeterias and lunch rooms .....	173	1,150	.....	.....
Hotels and hotel dining rooms .....	130	854	.....	.....
Boarding and rooming houses .....	10	27	.....	.....
Sub-total .....	396	2,354	1	1
<b>Telephone and Telegraph .....</b>	79	2,125	.....	.....
<b>Laundries, Cleaners and Dyers:</b>				
Laundries .....	59	1,536	13	109
Cleaners and dyers .....	7	69	.....	.....
Sub-total .....	66	1,605	13	109
<b>Offices .....</b>	50	633	27	317
<b>Personal Service:</b>				
Moving pictures .....	16	169	1	8
Not otherwise classified .....	7	33	1	5
Sub-total .....	23	202	2	13
<b>Grand total .....</b>	1,016	13,494	85	2,210

and Number of Women Employed Worked Per Week Are				Number of Plants and Number of Women Employed Where Daily Hours of Work Are							
6 Days		7 Days		Under 8 Hours		8 Hours		Over 8 and Under 9 Hours		9 Hours	
Plants	Women	Plants	Women	Plants	Women	Plants	Women	Plants	Women	Plants	Women
12	54	-----	-----	1	2	10	49	-----	-----	1	3
27	337	-----	-----	4	20	24	323	1	10	-----	-----
3	163	-----	-----	-----	-----	2	154	3	346	2	373
7	151	-----	-----	-----	-----	4	87	5	76	-----	-----
6	98	-----	-----	-----	-----	3	13	8	355	-----	-----
4	35	-----	-----	1	1	4	45	1	2	-----	-----
8	162	1	6	-----	-----	4	101	5	67	-----	-----
4	13	-----	-----	-----	-----	5	26	1	8	-----	-----
5	37	-----	-----	1	3	2	27	2	7	-----	-----
14	246	-----	-----	1	21	10	159	6	88	1	30
4	58	-----	-----	1	3	6	413	3	160	1	23
30	556	-----	-----	5	24	17	180	13	385	2	16
124	1,910	1	6	15	81	91	1,577	47	1,504	7	445
6	30	1	3	3	8	2	22	1	2	1	1
9	60	-----	-----	-----	-----	9	62	1	12	-----	-----
9	50	-----	-----	1	1	7	45	-----	-----	1	4
9	97	1	1	1	1	9	97	-----	-----	-----	-----
13	54	1	4	5	16	8	33	-----	-----	1	9
6	32	-----	-----	-----	-----	6	32	-----	-----	-----	-----
53	343	-----	-----	9	44	39	234	2	46	3	19
19	1,434	-----	-----	5	1,328	13	100	2	14	-----	-----
5	96	-----	-----	2	9	4	92	-----	-----	-----	-----
13	35	-----	-----	1	1	13	37	-----	-----	-----	-----
23	161	-----	-----	10	79	12	87	2	4	-----	-----
19	167	-----	-----	5	21	13	128	1	18	-----	-----
10	69	-----	-----	2	21	6	36	2	12	-----	-----
14	93	-----	-----	1	4	13	89	-----	-----	-----	-----
23	157	1	3	7	39	17	124	2	37	-----	-----
231	2,878	4	11	52	1,572	171	1,218	13	145	6	33
60	249	22	73	27	89	50	218	3	9	3	7
112	934	61	216	61	289	109	850	2	8	1	3
23	318	107	536	93	515	33	324	1	3	3	12
-----	-----	10	27	4	14	1	1	-----	-----	5	12
195	1,501	200	852	185	907	193	1,393	6	20	12	34
67	2,058	12	67	11	81	67	2,036	1	8	-----	-----
46	1,427	-----	-----	1	4	48	1,399	3	26	7	107
7	69	-----	-----	-----	-----	7	69	-----	-----	-----	-----
53	1,496	-----	-----	1	4	55	1,468	3	26	7	107
23	316	-----	-----	10	39	34	421	6	173	-----	-----
11	133	4	28	10	95	6	74	-----	-----	-----	-----
6	28	-----	-----	-----	-----	6	28	-----	-----	1	5
17	161	4	28	10	95	12	102	-----	-----	1	5
710	10,320	221	964	284	2,779	623	8,215	76	1,876	33	624

## WOMEN IN INDUSTRY

TABLE X.—WOMEN SUPPORTING DEPENDENTS, THEIR MARITAL CONDITION, AND NUMBER OF DEPENDENTS

ITEMS	Number of Firms	Total Number of Women	Number Without Dependents	Women Supporting Dependents						Number of Dependents		
				Number of Women	Marital Condition					Total	Children	Adults
					Married	Divorced	Separated	Single	Widowed	Deceased		
Manufacturing:												
Dressmaking and tailoring	12	54	53	1	1	1	1	1	1	1	4	3
Millinery	29	353	282	71	25	11	11	19	16	1	68	39
Woolen and knitting mills	7	873	680	193	65	10	4	65	49	1	249	198
Candy manufacturing	9	183	133	30	16	2	9	3	3	1	46	30
Can and box factories	11	368	301	67	19	9	7	18	14	1	97	57
Creameries	6	48	47	1	1	1	1	1	1	1	1	1
Canvas bags, mattresses and upholstery	9	168	47	121	44	2	3	59	13	1	29	14
Hemstitching, buttons, pleating, gloves, etc.	7	41	39	2	2	1	1	1	1	1	2	1
Printing	5	37	33	4	1	1	1	1	1	1	5	5
Food products, coffee, tea, spices, etc.	17	298	80	218	45	12	6	142	13	1	207	179
Garment manufacturing	11	599	513	86	15	12	5	14	37	3	121	81
Not otherwise classified	37	605	410	195	50	17	3	93	31	1	164	86
Sub-total	160	3,607	2,618	989	232	76	38	413	176	4	993	694
Mercantile:												
Drugs	7	33	29	4	1	1	1	2	1	1	7	3
Music	10	74	68	6	3	1	1	6	2	1	9	3
Furniture	9	50	39	11	3	1	1	6	1	1	7	5
Books, stationery, photo supplies	10	98	90	8	1	1	1	6	1	1	9	5
Groceries, dairies, delicatessens	14	58	48	10	2	1	2	1	7	1	11	2
Meat	6	32	25	7	2	1	1	4	1	1	6	1
												5

General merchandise .....	53	343	350	93	20	10	6	49	8	.....	4	81	41	40
Department stores .....	20	1,442	1,176	266	46	41	17	37	71	.....	.....	402	206	196
Notions, 5-10-15c stores .....	6	101	81	20	4	2	1	13	.....	.....	.....	2	12	8
Variety stores .....	14	38	37	1	.....	.....	.....	.....	1	.....	.....	12	10	2
Dry goods .....	24	170	159	11	3	4	.....	1	3	.....	.....	22	13	9
Ladies' ready-to-wear .....	19	167	146	21	5	5	2	2	4	.....	.....	35	.....	35
Ladies' ready-to-wear .....	10	69	38	31	10	3	.....	3	6	.....	.....	19	8	11
Cloak and suit .....	14	93	80	13	1	2	1	6	3	.....	.....	19	8	11
Clothing, shoes and furnishings .....	26	200	179	21	1	3	2	12	3	.....	.....	28	9	19
Not otherwise classified .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sub-total .....	242	2,968	2,445	523	97	71	32	198	109	16	.....	670	326	344
Public Housekeeping:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Confectionery stores and bakeries .....	83	323	255	68	20	8	5	27	7	1	.....	41	36	5
Restaurants, cafeterias and lunch rooms .....	173	1,150	962	288	81	39	26	95	42	5	.....	279	214	65
Hotels and hotel dining rooms .....	130	854	643	211	44	46	23	48	46	4	.....	205	158	47
Boarding and rooming houses .....	10	27	25	2	1	.....	.....	.....	1	.....	.....	3	.....	.....
Sub-total .....	396	2,354	1,885	569	146	93	54	170	96	10	.....	528	411	117
Telephone and Telegraph .....	79	2,125	2,062	63	7	5	1	36	13	1	.....	79	33	46
Laundries, Cleaners and Dyers:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Laundries .....	59	1,536	1,388	248	60	47	21	31	80	9	.....	404	283	121
Cleaners and dyers .....	7	89	84	35	7	.....	1	16	11	.....	.....	22	20	2
Sub-total .....	66	1,605	1,322	283	67	47	22	47	91	9	.....	426	303	123
Offices .....	50	633	560	73	7	2	.....	54	10	.....	.....	77	24	53
Personal Service:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Moving pictures .....	16	149	153	16	1	4	1	10	.....	.....	.....	10	6	4
Not otherwise classified .....	7	33	30	3	.....	.....	2	.....	1	.....	.....	2	1	1
Sub-total .....	23	202	183	19	1	4	3	10	1	.....	.....	12	7	5
Grand total .....	1,016	13,494	11,075	2,519	607	298	150	928	496	40	.....	2,785	1,798	987

## PROSECUTIONS

It is, indeed, gratifying to report that during the last biennium the Bureau of Labor has been compelled to institute only three prosecutions, two of which came under Chapter 163, General Laws of Oregon, 1919, for failure to procure a license before undertaking a job of electrical wiring. In each of these cases a plea of guilty was entered and a fine of \$5.00 and costs assessed by the court.

The third case covered the employment of a minor under 16 years of age as a signal boy in a logging camp. A plea of not guilty was entered by the employer, who claimed that the boy had been taken out to the woods and put to work by his father, then working in the camp, without his the employer's knowledge. The court found for the defendant.

## ADJUSTMENT OF WAGES AND OTHER CLAIMS

Complaints totaling 491 have been filed in the main office of the Bureau of Labor during the last biennium by workers needing assistance and advice.

The service which the bureau was called upon to render covered a wide field, the most common request being for assistance in securing settlement for wages earned. Other complaints were relative to defective equipment, hazardous employment, dangerous schoolhouses, protests against hospital fees charged by some employers, violation of the Industrial Welfare Commission rulings and of the eight hour law on public works.

A number of these cases were adjusted after making a personal investigation and others through correspondence. In some, however, the bureau was unsuccessful in securing settlements. Cases handled are classified as follows:

	Number	Amount
Wages adjusted, male .....	45	\$2,181.15
Wages adjusted, female .....	11	364.81
Total .....		\$2,545.76
Efforts to adjust wages, no result .....	39	\$2,158.56
Miscellaneous complaints .....	165	
Miscellaneous service .....	231	
Total .....	491	

## BRANCH OFFICE IN PORTLAND

(Report of activities of the office in Portland, in charge of Deputy Labor Commissioner W. H. Fitzgerald.)

In submitting a resume of the work falling to the branch office of the Bureau of Labor, established early in the year 1919 in room 501, Court-house, Portland, it is in order to say that the demands made upon the office and the number of persons to whom services were rendered fully justify the extension of the department to enable it to a greater extent to function in the metropolis of the state.

Scarcely is there to be found a state, like Oregon, where the metropolis, numerically and industrially, embraces about one-third of the commonwealth, which has the capital located elsewhere. The work of the

Bureau of Labor is such as to be devoted principally to industrial centers. Many interested had for some time urged the opening of an office in Portland whereby much work could be expedited and many people be given attention who would otherwise unload their troubles on other bureaus or find no one to shoulder their burdens.

On the compilation of this report, completing eighteen months of the activities of the office, the records have to show that service in some manner was rendered to 2,206 persons. Of this number 203 were women. The cases are classified as follows:

Wages adjusted :	
Male .....	365
Female .....	34
Efforts to adjust wages—no results .....	462
Refund of fees, etc., from employment agencies :	
Male .....	315
Female .....	21
Application for refund of employment fees, etc.—no case .....	160
Miscellaneous complaints .....	112
Miscellaneous service .....	737
Total .....	2,206

For the 399 men and women to whom we were helpful in some way or other in adjusting their wage disputes, or, as in most cases, actually serving as collector, the sums involved in the aggregate show a total of \$17,114.70.

The country over, the Labor Commissioner is looked upon by a large part of our people as the one who can by some magic or otherwise correct all abuses by merely waving his official wand. Most firmly is imbedded in the minds of many people the belief that the Labor Commissioner has but to say the word to bring forth a delayed wage payment. To make some believe otherwise is at times most difficult. To avert possible disappointment, when a person comes in with a wage claim, we invariably call attention to the fact that we have no special authority to intervene, but that we will gladly assist in any way possible. Repeatedly we hear: "If the Labor Commissioner can not collect wages, what is he for?" The appreciation shown by those who are the beneficiaries of this work is always gratifying. It can not but impress one that they leave the office better citizens. Quite true, the majority of them are not native to our land; seldom one comes who holds membership in a labor organization, and the only one he can turn to is the Labor Commissioner. To turn one away without exhausting the resources of persuasion or to exercise the good offices of the department to bring about adjustment would be more than amiss.

Too often we fail. For 462 persons who came to this office to set up claims that they earned various sums of money and after the work was performed were unable to collect their wages, we were unable to render any assistance whatever, unless it was to explain the possibilities of relief in the civil courts. But rarely would the claimants appear to be in a position to institute legal proceedings to enforce collection.

To afford relief to deserving claimants, the Labor Commissioner should be given authority to intervene. Our neighboring state of California by statute vests the Labor Commissioner with such authority, clothed in this language:

"The commissioner and his representative duly authorized by him in writing, shall have the power and authority, when in his judgment he

deems it necessary, to take assignment of wage claims and prosecute actions for the collection of wages and other demands of persons who are financially unable to employ counsel in cases in which, in the judgment of the commissioner, the claims are valid and enforceable in the courts;  
\* \* \*"

### SMALL CLAIMS COURT

Where the amount involved in a wage claim is \$20.00 or less, after failing to adjust and it appearing the claim is valid, we have frequently referred the claimant to the small claim court, where satisfactory settlement would soon be reached.

The small claims court is a useful institution, serving a good purpose, and it is regretted that its limitations can not be extended to have jurisdiction over claims involving a larger sum than \$20.00.

The most satisfactory method that we have employed in ironing out wage differences is by inducing employer and employe to meet in our office and talk it over. The matter is usually settled before they leave. A number of times we have been asked to act as arbiter and the subsequent award would be cheerfully accepted. Two exceptions, however, have been experienced, in which the losing party rebelled against the award. In each instance the matter then came before the civil courts and the judgments rendered there differed but little from the arbiter's decision.

The next largest classified group has been listed as "miscellaneous service." These came in with every imaginable purpose, from assisting in preparing a mechanic's lien to filling out a claim to the baggage master to recover for the loss of a roll of blankets. Many, handicapped by a lack of knowledge of the English language, required that letters be written with a view of straightening out personal affairs. Many seek advice and guidance concerning matters in which they have become enmeshed, whom we endeavor to assist and to give such information as we have at hand or that may be obtainable.

We have received 112 complaints that labor laws have been violated. When possible personal investigation has been made, and when found well grounded, further infractions were stopped and promise secured of future compliance with the law. A number relate to the observance of rulings of the Industrial Welfare Commission. Usually the allegation affects hours women are required or permitted to work, and seldom complain of employers not paying women the minimum wage.

### HOSPITAL AND MEDICAL FEES

Continually camp workers call to complain of the necessity of submitting to a deduction from their pay envelope of from \$1.00 to \$1.50, charged to them to insure hospital and medical treatment; this after having already the same month paid for this protection at another camp. Still others resent being charged the full fee for a short period of work. It is not an uncommon experience for a worker to have a charge of \$1.25 or \$1.50 for hospital and medical service deducted from his pay check when he has worked but a day or less. That they are required to pay hospital and medical fees, even though without any voice in the selection

of the physician, is not so objectionable to workingmen as the practice of making men pay the second or even possibly the third time within a month when they are already protected, giving them nothing additional for their money, together with the fact that often a full charge is made for a short period of work, which procedure causes much indignation. Seldom are we able to afford any relief, though occasionally an employer will see the injustice of it and make amends.

There is need of legislation requiring that the expense assessed against workingmen for this service be based, proportionately, on the number of days the employe actually worked. This would go a long way in remedying a condition that is now the cause of many bitter complaints.

### FEE-CHARGING EMPLOYMENT AGENCIES

Employment agencies which charge a fee for information leading to a job, with the exception of those that recruit only teachers and clerical help, are licensed and regulated by the Labor Commissioner. The license charge is graduated according to population of location, ranging from a maximum of \$50.00 a year for cities of over 150,000 to a minimum of \$2.50.

There are now twenty-seven employment offices licensed by the state, with one each in Astoria, Baker, Klamath Falls, Prineville and Condon, the remainder being in Portland. The regulation of these offices is no small task. A number of the employment agents conduct their business in a clean, upright manner, being careful to inform themselves as to the character of the jobs and surrounding conditions when sending men out, and willing to repair the damage if something goes wrong and the applicant fails to connect with the job. On the other hand, some refund to applicants only when they are forced. Wrongfully placing the burden of proof entirely on the returned worker and sitting tight until the person appeals to our office, or some other authority, the employment agent, if it can be clearly shown that he is liable to the applicant, will then reluctantly make refund. The law requires the employment agent to refund fee and fare both ways if the applicant fails to secure work or if the job turns out to be misrepresented; and further, if applicant is discharged within two days he is entitled to return of fee only, and if given work for less than six days is entitled to return of half of fee only; this being conditioned upon the employer placing a statement on the employment receipt setting out the reasons for the breach in their relationship. Employers quite naturally shape the statement from their own viewpoint, or, as is often the case, refuse to make any statement whatever. If a case of this description emanates from an office where the agent is inclined to take refuge behind the technical construction of the law, then satisfactory adjustment is most difficult.

The one continuous complaint for which at present there seems to be no redress, is that there is no provision by which men can recover for the loss of time when sent long distances and the job fails to materialize. Frequently men are sent to places, fail to receive employment for some reason or other, lose two, three or four days by the trip, and when back at the starting point, if everything is regular, recover the fee and fare, but their time is wasted because some one has bungled or misrepresented.

The law should be amended. The employment agent accepts money for which he undertakes to give correct information that will insure a

person a certain described job. If something miscarries he should repair the damage. If one takes away a workingman's time, without recompense, he is the cause of material damage.

Some peculiar defenses are occasionally resorted to. For instance, an employment agent may be called upon to refund to a man who has hired out to cut hay. Rain suddenly setting in, the work is made impracticable and has to be abandoned, temporarily at least. The agent takes the position that he is in no manner the cause of the rain and for that reason should not be expected to repay the haymaker for loss of time and expenses.

The bitterness engendered by mistreatment of labor at the hands of employment agents has often been made the topic of a dissertation. It is more easily understood when one stops to consider that the patrons of employment offices are a class that are usually out of work, often strangers in the community, running low in the pocket, without influential friends to help them secure work, and likely having failed of their own efforts to locate a job, they finally are forced by circumstances to part with perhaps their last dollar for a chance to work. Then when they think they have been deceived, be it true or otherwise, they express their feelings in no uncertain way. They feel that the world is against them and many resent it with a spirit of desperation. Such a spectacle affords a study in psychology and will likely continue to be the ground for debate as to the moral right of society to permit the business of finding a manless job for the jobless man to be a thing to be trafficked in for profit. But if conditions relative to the employment agency situation differ in Oregon from other communities it will likely be found to the credit of this state. The problem has been given considerable attention by the Bureau of Labor.

In a period of eighteen months we have been successful in adjusting claims against employment offices for 336 people, representing the aggregate sum of \$1,776.71.

One hundred and sixty persons came in with claims against employment agents that would not permit of recovery—mostly men dissatisfied with being reimbursed for expenses only and demanding wages for loss of time. Others, after paying a fee for a job, would find some opportunity of employment more attractive and seek return of their money.

In taking up this work, one of the first things was the preparation of a weekly report form by which the department is furnished the names of persons recruited, where sent, kind of work, wages offered, and amount paid for the information.

#### Placements as reported:

1919	Number	1920	Number
May	7,315	January	5,809
June	6,413	February	7,673
July	8,098	March	8,979
August	9,667	April	8,855
September	8,026	May	13,001
October	9,334	June	8,652
November	6,886	July	12,019
December	2,672	August	11,877
		September	10,860

From information deduced by the reports submitted, fairly reliable data may be obtained to show the drift in labor cost. The figures fol-

lowing may more fairly represent, especially in a mechanical trade, the average wage paid unorganized labor; for but a small percentage of organized workers, as, for instance, carpenters, are engaged through the medium of employment bureaus. The fluctuation in wages to those classified as farm labor is perhaps due to the demands of the season. The demand for men on farms late in the year could be more accurately classed as caretakers and stock keepers.

AVERAGE WAGE PAID—	June, 1919	Dec., 1919	June, 1920	Sept., 1920
	Per Day	Per Day	Per Day	Per Day
Carpenters .....	\$5.60	\$7.27	\$7.14	\$7.30
Teamsters .....	4.31	4.59	5.08	5.30
Head fallers .....	5.82	6.45	7.12	7.39
Second fallers .....	5.38	6.07	6.71	6.90
Laborers .....	4.14	4.38	4.96	5.02
	Per Month and Board	Per Month and Board	Per Month and Board	Per Month and Board
Camp cooks .....	99.88	133.00	137.69	140.30
Dishwashers .....	67.10	81.00	77.25	83.10
Farmhands .....	71.48	59.90	73.62	82.60
Milkers .....	83.63	87.77	88.33	90.60

The average fee paid by applicants for jobs appears to vary with the demand for labor, for the lowest record of placements—December, 1919, as indicated by the reports—shows the average to be within a fraction of \$2.00. The average payment as reported for September, 1920, is \$1.85.

## RELATIONS WITH U. S. EMPLOYMENT SERVICE

The Bureau of Labor has been drawn in close touch with the United States Employment Service.

In April, 1919, Secretary of Labor Wilson, realizing the need of co-operation of the states in working out a permanent system of public employment offices, sent an invitation to the governor of each state to be represented at a conference to be held in Washington, D. C., to work out an outline of a bill to be presented to congress. Accordingly, Governor Olcott requested Labor Commissioner Gram to nominate one from the Bureau of Labor to represent the state of Oregon. It became the privilege of the writer to join in the conference.

After three days' deliberation the conference unanimously agreed on an outline of a bill to provide for a national employment system. A bill embodying the provisions and principles contained in said outline was subsequently prepared by the Department of Labor and recommended to congress for passage. Its material features are:

1. A national system of state operated employment offices.
2. The federal government to encourage and foster the maintenance and operation of employment offices by appropriation of money to match the amounts set aside by the states.
3. Such payment to be conditioned upon the conduct of the state employment system in accordance with uniform rules and regulations and with the standards of efficiency prescribed by the director general with the approval of the Secretary of Labor.

The federal appropriation to put the system in operation, as tentatively suggested by the Department of Labor, was placed at \$4,000,000.00 annually.

If congress should agree to such an amount, the proposed system of allotment based on population, would provide a maximum of \$25,905.00 to Oregon each year.

If any state fails to take advantage of, or rejects, the tender of federal cooperation in establishing a system of employment offices, then it is contemplated that the United States employment service shall independently maintain such service to the extent of the state's allotment.

Until such time as the state lawmaking bodies can enact the requisite legislation and appropriation to effect cooperation, it is proposed that the federal employment service shall operate to the extent of the state's allotment.

The bill was introduced in congress and is now known as the Kenyon-Nolan bill.

It has received favorable consideration in conference and is reported to be in a favorable position for action at the next session of congress.

### FEDERAL DIRECTOR

In December, 1919, the director general of the United States employment service requested Labor Commissioner Gram to select someone connected with the State Labor Bureau who would volunteer to serve as federal director of the United States employment service at a nominal salary of one dollar a year. This arrangement was intended to be of a temporary nature only and was proposed for the purpose of keeping intact some organization to compile reports, disseminate information, and care for the furniture and equipment belonging to the United States employment service until such time as congress should decide on a program.

To the writer was assigned the supervisory duties of the federal director. The arduous work has been performed by Assistant Federal Director L. F. Shinaman, an experienced man, who has devoted his time largely to active cooperation with the Portland municipal employment office.

There are in Oregon the following free employment offices actively cooperating with the United States employment service: Marshfield, Eugene, Salem and Portland. The expense of maintaining the first three named offices is borne by the enterprising citizens and civic organizations of their respective communities. The offices are ably managed by competent directors, that at Marshfield by W. J. Rust; at Eugene, F. L. Armitage. Both of these made good records in handling the federal office and have been continued in charge, there having been no break in their activities. Earl Race, city recorder, in charge of the Salem municipal office, also is cooperating with the United States employment service.

The Portland free employment bureau, which gave way to the federal service during the war and remained inactive until December, 1919, is again making itself a useful factor to both employer and employe. The directorship is held by Arthur W. Jones, with A. B. Brown and C. B. Green as assistant directors.

Placement reports of the Portland, Eugene, Marshfield and Salem offices follow:

## PUBLIC EMPLOYMENT BUREAUS

(United States Employment Service cooperating)

Referred to employment—December, 1919 to September, 1920

MONTHS	Portland			Eugene	Marsh- field	Salem	Total
	Men	Women	Liberty Temple				
1919—							
December .....	789	123	1,348	411	175	.....	2,846
1920—							
January .....	972	231	2,268	429	201	.....	4,101
February .....	1,775	315	1,408	373	182	.....	4,053
March .....	3,357	269	1,144	386	178	.....	5,334
April .....	3,762	259	749	407	202	11	5,390
May .....	4,259	299	.....	536	330	81	5,505
June .....	3,470	229	.....	435	154	96	4,384
July .....	3,646	458	.....	715	205	312	5,336
August .....	4,548	250	.....	520	178	253	5,749
September .....	4,753	243	.....	440	182	508	6,126
Total .....	31,331	2,676	6,917	4,652	1,987	1,261	48,824

The service of a free employment bureau, whether national or local, is of inestimable value. As an institution it is an approach to a solution of the problem of labor "turn over." The business of hiring and discharging men has come to be recognized by farseeing men in industry as one deserving of the most thoughtful attention. The endless procession of men coming and going, with the ensuing waste of manpower, blasted hopes, demoralization and discontent, is a spectacle that bodes evil to the nation.

## REPORTS OF TRADES UNIONS AND MEMBERS

In response to a questionnaire sent to the trades unions of the state, returns were received from 119 organizations representing a membership of 22,561. Of the number filing reports, 72 came from unions in Portland, representing 19,734 members; the remaining 47 from out of Portland, representing 2,837 members.

On authority of union officials, there are about 85 chartered locals in Portland and in the neighborhood of 75 in the state outside of Portland. Taking into consideration the estimates and calculations of union officials to determine the membership of unions not reporting, in addition to figures stated, they would indicate that there are about 23,000 persons holding membership in labor unions in Portland and about 4,700 exclusive of Portland.

The following compilation contains information as reported:

## AUTO MECHANICS' LODGE NO. 1333, I. A. OF M., PORTLAND

Initiation fee .....	\$ 10.00	Wage Scale, per hour	
Monthly dues .....	1.50	1920 .....	\$0.90
Accident benefit, per week .....	8.00	1919 .....	.80
Death benefit .....	250.00	1918 .....	.80

Work 44 hours per week; 50 per cent of members married; estimated 5 per cent of members idle in 1919-1920; average number of days worked in year, 250.

**BAKERY AND CONFECTIONERY WORKERS, LOCAL NO. 114, PORTLAND**

Initiation fee .....	\$ 25.00		Wage Scale, per week	
Monthly dues .....	2.00	1920	.....	\$42.00-45.00
Sick benefit, per week .....	7.00	1919	.....	36.00-38.00
Strike benefit, per week .....	10.00	1918	.....	28.00-32.00
Death benefit .....	100.00-350.00			

Work 48 hours per week; 95 per cent of members married; estimated 25 per cent of members idle in 1920; none in 1919 or 1918; average number of days worked in year, 313.

Commencing May 1, lockout by employers, over question of open or closed shop. 13 firms involved and 180 employees. No satisfactory settlement at time of report.

**BAKERY DRIVERS AND SALESMEN'S UNION, PORTLAND**

Initiation fee .....	\$ 10.00		Wage Scale (minimum) per week	
Monthly dues .....	1.50	1920	.....	\$32.50
Sick benefit, per week .....	7.00	1919	.....	24.00
Accident benefit, per week .....	7.00	1918	.....	18.00
Strike benefit, per week .....	5.00			
Death benefit .....	75.00			

Work 54 hours per week; 70 per cent of members married.

**BARBERS' INTERNATIONAL UNION OF AMERICA NO. 167, ASTORIA**

Initiation fee .....	\$ 15.00		Wage Scale, weekly guarantee	
Monthly dues .....	1.50	1920	.....	\$30.00
Sick benefit, per week .....	16.00	1919	.....	27.00
Death benefit .....	50.00-500.00	1918	.....	21.00-25.00

Work 53 hours per week; 80 per cent of members married; no idleness during 1920, 1919, 1918; average days worked during year, 300.

**BARBERS' INTERNATIONAL UNION OF AMERICA, LA GRANDE**

Initiation fee .....	\$ 8.00		Wage Scale, per week (70% over \$33)	
Monthly dues .....	1.50	1920	.....	\$25.00
Sick benefit, per week .....	18.00	1918	.....	18.00
Death benefit .....	500.00			

Work 58 hours per week; 88 per cent of members married; no idleness during 1920; average number of days worked during year, 313.

**BARBERS' INTERNATIONAL UNION OF AMERICA NO. 754, PENDLETON**

Initiation fee .....	\$ 10.00		Wage Scale	
Monthly dues .....	1.25	1920, 1919, 1918	.....	65%
Sick benefit, per week .....	5.00			
Accident benefit, per week .....	8.50			
Death benefit, sliding scale.				

No idleness during 1920, 1919, 1918; 60 per cent of members married; average number of days worked during year, 310.

**BARBERS' INTERNATIONAL UNION OF AMERICA NO. 75, PORTLAND**

Initiation fee .....	\$ 15.00		Wage Scale, weekly guarantee	
Monthly dues .....	1.50	1920	.....	\$28.00
Sick benefit, per week .....	13.00	1919	.....	20.00
Death benefit, sliding scale.		1918	.....	18.00

Work 57 hours per week; no idleness during 1920, 1919, 1918; 75 per cent of members married.

**BILLPOSTERS' INTERNATIONAL ALLIANCE NO. 57, PORTLAND**

Initiation fee .....	\$100.00		Wage Scale, per week	
Monthly dues, 2% on wages and	1.00	1920	.....	\$40.00
Death benefit, assessments.		1919	.....	33.00
		1918	.....	30.00

Work 44 hours per week; no idleness; 75 per cent of members married; average number of days worked during year, 300.

Minor difficulty with local theatrical firms, September 1, 1919, lasting a few days; 4 involved; satisfactorily adjusted by Theatrical Federation.

**BLACKSMITHS AND DROP FORGERS AND HELPERS INTERNATIONAL BROTHERHOOD, BLUE MOUNTAIN LOCAL NO. 390, LA GRANDE**

Initiation fees:		Wage Scale, per hour		
Mechanics .....	\$ 10.00	1920:	Mechanics .....	\$0.85
Helpers .....	5.00		Helpers .....	.62
Monthly dues:		1919:	Mechanics .....	.72
Mechanics .....	1.50		Helpers .....	.49
Helpers .....	1.00	1918:	Mechanics .....	.68
Accident benefit, per week .....	7.00		Helpers .....	.45
Death benefit .....	75.00-300.00			

No idleness in 1920; 2 per cent in 1919; none in 1918; 90 per cent of members married; average number of days worked during year, 300.

**BLACKSMITHS AND DROP FORGERS AND HELPERS INTERNATIONAL BROTHERHOOD, PORTLAND**

Initiation fees:		Wage Scale, per hour	
Mechanics .....	\$ 25.00	1920	.....\$0.88
Helpers .....	15.00	1919	......80
Monthly dues:		1918	......72
Mechanics .....	1.75		
Helpers .....	1.25		
Accident benefit per week .....	7.00		
Death benefit .....	75.00-300.00		

Work 44 hours per week; idleness in 1920, 10 per cent; 1919, 5 per cent; 1918, none; 45 per cent of members married.

Have had three strikes since October 1, 1918, in which 25 members were involved, on account of employers rejecting wages set by Pacific Coast Metal Trades District Council agreement; settled by arbitration.

**BOILERMAKERS AND IRON SHIPBUILDERS, INTERNATIONAL BROTHERHOOD, LOCAL NO. 72, PORTLAND**

Initiation fees, \$7.50 and .....	\$ 15.00		Wage Scale, per hour	
Monthly dues, \$1.25 and .....	1.75	1920	.....	\$0.88
Death benefit .....	50.00-250.00	1919	.....	.80
		1918	.....	.80

Work 44 hours per week; idleness during 1920, 75 per cent; 1919, 75 per cent; 1918, none; 75 per cent of members married.

Have had two strikes since October 1, 1918, involving 350 members, over questions of wages and hours. One settled by agreement to pay wages; other pending.

**BOOKBINDERS' INTERNATIONAL BROTHERHOOD, LOCAL NO. 90-113, PORTLAND**

Initiation fee .....	\$ 10.00			Wage Scale, per week
Monthly dues .....	2.00	1920		\$36.00-40.00
Strike benefit, per week .....	4.00-7.00	1919		33.00-36.00
Death benefit .....	100.00	1918		24.00

Work 48 hours per week; no idleness; average number of days worked during year, 205.

**BOOT AND SHOE WORKERS' UNION, PORTLAND**

Initiation fee .....	\$ 1.00	Wage Scale (minimum) per week	
Dues, per week .....	.25	1920 .....	\$40.00
Sick benefit, per week .....	5.00	1919 .....	32.50
Death benefit .....	100.00	1918 .....	32.50

Work 48 hours per week; idleness during 1920, 15 per cent; 75 per cent of members married.

**BREWERY AND SOFT DRINK WORKERS, LOCAL NO. 320, PORTLAND**

Initiation fee .....	\$ 10.00			Wage Scale, per week	
Monthly dues .....	1.00	1920	.....		\$33.00
Strike benefits, per week .....	9.00	1919	.....		30.00
		1918	.....		28.00

Work 48 hours per week; idleness of members during 1920, 10 per cent; 1919, 10 per cent; 1918, 20 per cent; 90 per cent of members married; average number of days worked during year, 300.

## BRICKLAYERS, MASONS AND PLASTERERS' UNION NO. 3, BEND

Initiation fee .....	\$ 25.00			Wage Scale, per day	
Monthly dues .....	2.00	1920		.....	\$10.00
		1919		.....	8.00
		1918		.....	7.00

Work 44 hours per week; idleness of members during 1920, 50 per cent; 1919, 25 per cent; 1918, 15 per cent; 90 per cent of members married; average number of days worked during year, 90.

## BRICKLAYERS, MASONS AND PLASTERERS' INTERNATIONAL UNION, EUGENE

Initiation fee .....	\$ 25.00			Wage Scale, per day	
Monthly dues .....	1.50	1920		.....	\$ 9.00
Accident benefit, per week .....	5.00	1919		.....	7.00
Strike benefit, per week:		1918		.....	6.00
Married men .....	10.00				
Single men .....	7.00				
Death benefit .....	50.00-300.00				

Work 48 hours per week; idleness of members during 1920, 25 per cent; 1919, 50 per cent; 1918, 50 per cent; 80 per cent of members married; average number of days worked during year, 175 to 200.

## BRICKLAYERS, MASONS AND PLASTERERS OF AMERICA, SALEM

Initiation fee .....	\$ 25.00			Wage Scale, per day	
Monthly dues .....	50-1.40	1920		.....	\$ 9.00
Death benefit .....	75.00-300.00	1919		.....	8.00
		1918		.....	7.00

Work 48 hours per week; 98 per cent of members married; average number of days worked during year, 225.

## BRICKLAYERS, TILE SETTERS, STONE AND MARBLE MASONS' UNION PORTLAND

Initiation fee .....	\$ 25.00			Wage Scale, per hour	
Monthly dues, average .....	2.50	1920		.....	\$ 1.25
Death benefit, local .....	125.00	1919		.....	1.12½
Death benefit, international .....	300.00	1918		.....	1.00

Work 44 hours per week; idleness among members during 1920, 25 per cent; 1919, 50 per cent; 1918, 90 per cent; 90 per cent of members married; average number of days worked during year, 156.

## BRIDGE AND STRUCTURAL IRON WORKERS' UNION NO. 29, PORTLAND

Initiation fee .....	\$ 25.00			Wage Scale, per day	
Monthly dues .....	1.25	1920		.....	\$ 9.00
Sick benefit, per week .....	5.00	1919		.....	9.00
Accident benefit, per week .....	10.00	1918		.....	8.00
Death benefit .....	150.00				

Work 44 hours per week; idleness among members, 1920, 50 per cent; 1919, 30 per cent; 1918, 5 per cent; 75 per cent of members married.

## BROOM AND WHISK MAKERS' UNION, PORTLAND

Initiation fee .....	\$ 1.00			Wage Scale (average) per day	
Dues, per week .....	.35	1920		.....	\$ 6.00
Death benefit .....	100.00	1919		.....	5.00
		1918		.....	4.00

Work 48 hours per week; 66 per cent of members married; average number of days worked during year, 306.

Since October 1, 1918, have had strike involving 22 members, on account of demand for increase of wages. After two weeks' duration was called off without demand being granted.

## BUILDING LABORERS' UNION, PORTLAND

Initiation fee .....	\$ 15.00			Wage Scale, per hour	
Monthly dues .....	1.00	1920		.....	\$0.75-1.00
Death benefit .....	50.00-100.00	1919		.....	.75- .87½
		1918		.....	.62½- .75

Work 44 hours per week.

## BUTCHER WORKMEN'S LOCAL UNION NO. 656, PORTLAND

Initiation fee .....	\$ 3.00		Wage Scale, per hour	
Monthly dues .....	1.00	1920	.....	\$0.51½-0.90
Death benefit .....	50.00-100.00	1919	.....	.44-.83
		1918	.....	.40-.79½

Work 48 hours per week; idleness of members during 1920, 10 per cent; 50 per cent of members married; average number of days worked in year, 300.

## CARPENTERS AND JOINERS OF AMERICA, UNITED BROTHERHOOD, BAKER

Initiation fee .....	\$ 10.00		Wage Scale, per day	
Monthly dues .....	1.00	1920	.....	\$ 8.00
Sick benefit, per week .....	5.00	1919	.....	7.00
		1918	.....	6.00

Work 48 hours per week; no idleness among members in 1920; 90 per cent of members married.

## CARPENTERS AND JOINERS OF AMERICA, UNITED BROTHERHOOD, BEND

Initiation fee .....	\$ 25.00		Wage Scale, per day	
Monthly dues .....	1.00	1920	.....	\$ 8.00
Sick benefit, per week .....	5.00	1919	.....	7.00
Death benefit .....	400.00	1918	.....	6.00-6.50

Work 48 hours per week; idleness among members, 1920, 25 per cent; 1919, 25 per cent; 1918, 35 per cent; 50 per cent of members married; average number of days worked in year, 300.

## CARPENTERS AND JOINERS OF AMERICA, UNITED BROTHERHOOD, ASTORIA

Initiation fee .....	\$ 20.00		Wage Scale, per day	
Monthly dues .....	1.75	1920	.....	\$ 8.00
Sick benefit, per week .....	7.00	1919	.....	6.88
Death benefit, sliding scale.		1918	.....	6.88

Work 44 hours per week; idleness among members, 1920, 25 per cent; 1919, 25 per cent; 1918, 10 per cent; 75 per cent of members married.

## CARPENTERS AND JOINERS OF AMERICA, UNITED BROTHERHOOD, KLAMATH FALLS

Initiation fee .....	\$ 15.00		Wage Scale, per day	
Monthly dues .....	1.00	1920	.....	\$ 8.00
Death benefit .....	100.00-400.00	1919	.....	7.00
		1918	.....	6.00

Work 48 hours per week; 75 per cent of members married.

## CARPENTERS AND JOINERS OF AMERICA, UNITED BROTHERHOOD, OREGON CITY

Initiation fee .....	\$ 25.00		Wage Scale, per day	
Monthly dues .....	1.25	1920	.....	\$ 8.00
Death benefit, sliding scale.		1919	.....	6.60
		1918	.....	5.60-6.60

Work 44 hours per week; 90 per cent of members married; average number of days worked in year, 200 to 250.

## CARPENTERS AND JOINERS OF AMERICA, UNITED BROTHERHOOD, LOCAL NO. 1776, PENDLETON

Initiation fee .....	\$ 25.00		Wage Scale, per hour	
Monthly dues .....	1.50	1920	.....	\$ 1.00
Sick benefit, per week .....	9.00	1919	.....	.87½
Accident benefit, varied.		1918	.....	.75
Death benefit .....	200.00-500.00			

Work 48 hours per week; no idleness since 1918; 30 per cent of members married; average number of days worked in year, 230.

**CARPENTERS AND JOINERS OF AMERICA, UNITED BROTHERHOOD,  
LOCAL NO. 1106, PORTLAND**

Initiation fee .....	\$ 25.00		Wage Scale, per day	
Monthly dues .....	2.00	1920	.....	\$ 8.00
Death benefit .....	25.00-400.00	1919	.....	6.88
		1918	.....	4.50

Work 44 hours per week; average number of days worked per year, 200.

**CARPENTERS AND JOINERS OF AMERICA, UNITED BROTHERHOOD,  
LOCAL NO. 583, PORTLAND**

Initiation fee .....	\$ 25.00		Wage Scale, per day	
Monthly dues .....	1.50	1920	.....	\$ 8.00
Accident benefit, per week .....	6.00	1919	.....	6.88
Sick benefit, per week .....	6.00	1918	.....	5.00

Work 44 hours per week; idleness among members, 1920, 50 per cent; 1919, 10 per cent; 1918, 50 per cent; 95 per cent of members married; average number of days worked in year, 240.

**CARPENTERS AND JOINERS OF AMERICA, UNITED BROTHERHOOD,  
LOCAL NO. 226, PORTLAND**

Initiation fee .....	\$ 25.00		Wage Scale, per hour	
Monthly dues .....	2.00	1920	.....	\$ 1.00
Accident benefit, per week .....	6.00	1919	.....	.86
Death benefit .....	300.00	1918	.....	50-66 1/2

Sick and strike benefits indefinite.

Work 44 hours per week; 70 per cent of members married.

**CARPENTERS AND JOINERS OF AMERICA (SHIPWRIGHTS), UNITED  
BROTHERHOOD NO. 1020, PORTLAND**

Initiation fee .....	\$ 30.00		Wage Scale, per hour	
Monthly dues .....	1.50	1920	.....	\$0.94
Disability benefit .....	50.00-400.00	1919	.....	.86
Death benefit .....	50.00-300.00	1918	.....	.82 1/2

Work 44 hours per week; idleness among members, 1920, 15 per cent; 95 per cent of members married.

**CARPENTERS, CABINETMAKERS AND JOINERS, AMALGAMATED SO-  
CIETY, PORTLAND**

Initiation fee .....	\$ 15.00		Wage Scale, per hour	
Sick benefit, per week .....	4.20	1920	.....	\$ 1.00
Disability benefit .....	700.00	1919	.....	.86
Strike benefit, per week .....	5.25			
Death benefit .....	100.00			

Work 44 hours per week; idleness among members, 1920, 1 per cent; none in 1919 and 1918; 80 per cent of members married.

**CARPENTERS AND JOINERS OF AMERICA, UNITED BROTHERHOOD,  
LOCAL NO. 1065, SALEM**

Initiation fee .....	\$ 15.00		Wage Scale, per day	
Monthly dues .....	1.00	1920	.....	\$ 7.50
		1919	.....	6.00
		1918	.....	5.00

Work 48 hours per week; no idleness since 1918; 75 per cent of members married.

**CARPENTERS AND JOINERS OF AMERICA, UNITED BROTHERHOOD,  
LOCAL NO. 1838, ST HELENS**

Initiation fee .....	\$ 30.00		Wage Scale, per day	
Monthly dues .....	1.25	1920	.....	\$ 7.00
Death benefit .....	50.00-300.00	1919	.....	6.00
		1918	.....	6.88

Work 44 to 48 hours per week; idleness among members in 1920, 20 per cent; 1919, 10 per cent; 1918, 10 per cent; 80 per cent of members married; average number of days worked during year, 250.

Beginning January 3, 1919, had difficulty with shipbuilding firm involving 200 members over terms of Macy agreement; no satisfactory settlement.

## CHAUFFEURS' UNION NO. 163, PORTLAND

Initiation fee .....	\$ 3.00	Wage scale, one-third of revenue.
Monthly dues .....	1.00	
Members married, 33 per cent.		

## CIGARMAKERS' UNION NO. 202, PORTLAND

Initiation fee .....	\$ 3.00	Wage Scale (piece work)	
Weekly dues .....	.30-.40-.60	Average per week .....	\$ 30.00
Sick benefit, per week .....	7.00		
Strike benefits:			
First 16 weeks, per week .....	8.00		
Thereafter, per week .....	4.00		
Death benefit, maximum .....	550.00		

Idleness among members in 1920, 2 per cent; 60 per cent of members married; average number of days worked in year, 280 to 300.

## CIGARMAKERS' INTERNATIONAL UNION, LOCAL NO. 425, ASTORIA

Initiation fee .....	\$ 3.00	1920	Wage Scale (piece work)
Weekly dues .....	.60		15% increase
Sick benefit, per week .....	7.00		
Death benefit .....	50.00-550.00		
Strike benefit, per week .....	8.00		

Work 48 hours per week; no unemployment among members in period 1918-1920; 75 per cent of members married; average number of working days in year, 300.

## CITY FIRE FIGHTERS' UNION, LOCAL NO. 43, I. A. F. F., PORTLAND

Initiation fee .....	\$ 1.00	Wage Scale, per month
Monthly dues .....	.75	1920 .....\$130.00-175.00
		1919 .....115.00-150.00
		1918 .....105.00-145.00

Work 72 hours per week; 60 per cent of members married; average number of days worked in year, 304.

## CIVIL SERVICE EMPLOYEES' ASSOCIATION NO. 14636, PORTLAND

Initiation fee .....	\$ 2.00	Wage Scale, per day	
Monthly dues .....	.75	1920 (minimum) .....	\$ 4.60

## COOKS AND ASSISTANTS' UNION NO. 207, PORTLAND

Initiation fees:		Wage Scale (average per week)	
Males .....	\$ 15.00	1920:	
Females .....	7.50	Males .....	\$35.00
Monthly dues:		Females .....	25.00
Males .....	1.50	1919:	
Females .....	1.35	Males .....	35.00
Sick benefit, per week .....	10.00	Females .....	25.00
Death benefit .....	100.00	1918:	
		Males .....	28.00
		Females .....	24.00

Work 48 hours per week; idleness of members during 1920, 10 per cent, 1919, 10 per cent; 1918, none; 40 per cent of members married; average number of days worked in year, 310.

July 13 to 22, 1920, strike over observance of contract involving four men and two women; settled in favor of organization.

## CULINARY ALLIANCE, LOCAL NO. 311, ASTORIA

Initiation fee .....	\$ 4.00	Wage Scale, per week
Monthly dues .....	1.35	1920:
Sick benefit, per week .....	7.00	Males .....
Accident benefit, per week .....	7.00	Females .....
Death benefit .....	50.00	1919:
		Males .....
		Females .....
		1918:
		Males (10 hours) .....
		Females (10 hours) .....

Work 48 hours per week; no idleness among members since 1918; 50 per cent of members married; average number of days worked in year, 300.

January 1, 1919, made demand for 8-hour day in all restaurants, which was granted after 10-days' strike involving 65 men and 50 women.

## CULINARY ALLIANCE, LOCAL NO. 371, BEND

Initiation fee:		Wage Scale, per day	
Males .....	\$ 5.00	1920: Males .....	\$ 5.00
Females .....	2.00	1920: Females .....	3.00
Monthly dues .....	1.00	1919: Males .....	4.50
Sick benefit, per week .....	5.00	1919: Females .....	2.50
Death benefit .....	50.00	1918: Males .....	4.50
		1918: Females .....	2.50

Work hours per week, males, 56; females, 48; 30 per cent of members married; idleness among members in 1920 and 1919, 5 per cent; 1918, 10 per cent.

## CULINARY ALLIANCE, LOCAL NO. 391, LA GRANDE

Initiation fee:		Wage Scale, per day	
Males .....	\$ 10.00	1920: Males .....	\$3.00-6.00
Females .....	2.00	1920: Females .....	3.00
Monthly dues:		1919: Males .....	2.00-5.00
Males .....	2.00	1919: Females .....	2.00
Females .....	1.50		
Death benefit .....	50.00		

Work 48 hours per week; no idleness among members since 1918; 50 per cent of members married; average number of days worked in year, 300.

## CULINARY ALLIANCE, LOCAL, MARSHFIELD

Initiation fee:		Wage Scale, average per week	
Males .....	\$ 5.00	Males .....	\$ 45.00
Females .....	2.50	Females .....	17.50
Monthly dues:			
Males .....	1.50		
Females .....	1.00		
Sick benefit, per week .....	10.00		
Death benefit .....	50.00		

Work hours per week, male, 56; female, 48; 50 per cent of members married; average number of days worked in year, 300.

## ELECTRICAL WORKERS, INTERNATIONAL BROTHERHOOD, LOCAL NO. 125, PORTLAND

Initiation fee .....	\$25.00-7.50	Wage Scale, per day	
Monthly dues .....	2.00	1920 .....	\$ 8.00
Sick benefit, per week .....	5.00	1919 .....	6.00
Accident benefit, per week .....	5.00	1918 .....	6.00
Death benefit .....	100.00-300.00		
Strike benefit varies—\$5 week up.			

Work 48 hours per week; idleness among members in 1920, 16 per cent; 1919, 10 per cent; 1918, none; members married, linemen, 80 per cent.

Since October 1, 1918, have had two strikes involving 250 men; some concessions gained by one; no agreement reached by other.

## ELECTRICAL WORKERS, INTERNATIONAL BROTHERHOOD, LOCAL NO. 517, ASTORIA

Initiation fee .....	\$ 10.00	Wage Scale, per day	
Monthly dues .....	1.75	1920 .....	\$ 8.00
Sick benefit per week .....	5.00	1919 .....	8.00
Death benefit .....	50.00-300.00	1918 .....	6.50

Work 44 hours per week; idleness among members in 1920, 2 per cent; 1919 and 1918, none.

Have had two strikes involving 18 members since October 1, 1918; one called off without results; other pending. Both on question of wages.

## ELECTRICAL WORKERS, INTERNATIONAL BROTHERHOOD, LOCAL NO. 48, PORTLAND

Initiation fee .....	\$25.00-50.00	Wage Scale, per day	
Monthly dues .....	2.75	1920 .....	\$ 8.00
		1919 .....	6.40

Work 44 hours per week; idleness among members in 1920, 20 per cent; 1919, 40 per cent; 1918, none; 80 per cent of members married; average number of days worked in year, 200.

**ELEVATOR CONSTRUCTORS' INTERNATIONAL UNION, PORTLAND**

Initiation fee .....	\$100.00	Wage Scale, per day	
Monthly dues .....	1.35	1920 .....	\$ 8.00
		1919 .....	7.00
		1918 .....	6.00

Work 44 hours per week; no idleness among members in 1920 and 1919; 5 per cent in 1918; 75 per cent of members married; average number of days worked in year, 300.

**FEDERAL EMPLOYES' UNION NO. 7, PORTLAND**

Initiation fee .....	\$ 1.00	Wages: All government workers, ex-	
Monthly dues .....	.50	cept postal service, receive \$20 month-	
		ly bonus.	

Work 48 hours per week; 75 per cent of members married.

**GARMENT WORKERS' LOCAL NO. 228, PORTLAND**

Initiation fee:		Wage Scale (minimum) per week	
Male .....	\$ 5.00	1920:	
Female .....	3.00	Male .....	\$ 42.00
Monthly dues:		Female .....	18.00
Male .....	.95	1919:	
Female .....	.75	Male .....	39.00
Sick benefit, per week .....	3.00	Female .....	16.00
		1918:	
		Male .....	36.00
		Female .....	14.00

Work 44 hours per week; no idleness among members since 1918; 66 per cent of members married.

**GLAZIERS' LOCAL UNION NO. 740, PORTLAND**

Initiation fee .....	\$ 25.00	Wage Scale, per day	
Monthly dues .....	1.00	1920 .....	\$ 7.00
Death benefit .....	50.00-300.00	1919 .....	7.00
		1918 .....	6.00

Work 44 hours per week; idleness among members in 1920, 2 per cent; none since 1918; 75 per cent of members married.

**GRAINHANDLERS' UNION, LOCAL NO. 38-4, PORTLAND**

Initiation fee .....	\$ 15.00	Wage Scale, per hour	
Monthly dues .....	.75	1920 .....	\$ 0.80
		1919 .....	.75
		1918 .....	.70

Members married, 75 per cent; average number of days worked in year, 200. December 30, 1919, union became involved with employers over question of open shop. Still pending.

**HOD CARRIERS' (INTERNATIONAL) AND COMMON LABORERS' UNION, ASTORIA**

Initiation fee .....	\$ 5.00	Wage Scale, per day	
Monthly dues .....	1.00	1920 .....	\$ 6.00
Death benefit .....	50.00-100.00	1919-1918 .....	5.00

Work 44 hours per week; unemployment among members in 1920, 33 per cent; 1919, 50 per cent; 1918, 5 per cent; 75 per cent of members married; average number of working days in year, 182.

**HOISTING PORTABLE AND SHIPYARD ENGINEERS' UNION, LOCAL NO. 701, PORTLAND**

Initiation fee .....	\$ 25.00	Wage Scale, per day	
Monthly dues .....	2.00	1920 .....	\$ 9.00
Death benefit .....	100.00	1919 .....	8.00
		1918 .....	7.00-8.00

Work 44 hours per week; unemployment among members in 1920, 45 per cent; 1919, 10 per cent; 1918, 5 per cent; 75 per cent of members married; average number of working days in year, 180.

## IRON MOULDERS' UNION, NO. 139, PORTLAND

Initiation fee .....	\$ 5.00		Wage Scale, per day	
Weekly dues .....	.60	1920	.....	\$ 7.50
Sick benefit, per week .....	7.60	1919	.....	7.50
Strike benefit, per week .....	9.60	1918	.....	7.00
Death benefit .....	100.00-200.00			

Work 44 hours per week.

Since October, 1919, have had two strikes with a total of 30 members involved; one, concerning question of open or closed shop; the other, resisting reduction of wages. Both terminated October, 1920, without results.

## JEWELRY WORKERS' UNION, LOCAL NO. 41, PORTLAND

Initiation fee .....	\$ 15.00		Wage Scale, per week	
Monthly dues .....	1.00	1920 and 1919	.....	\$ 36.00

Work 44 to 48 hours per week; idleness among members in 1920, 3 per cent; none in 1919; 50 per cent of members married; average number of days worked in year, 300.

July, 1919, the union became involved in a strike with 18 employers over question of wages and hours; still contested. At the beginning about 50 involved.

## SCHOOL JANITORS AND HELPERS' UNION, LOCAL NO. 16333, PORTLAND

Initiation fee .....	\$ 2.00		Have no wage scale, being considered	
Monthly dues .....	.75		contractors; have no regular hours.	

Members married, 99 per cent; average number of days worked in year, 260.

## LATHERS' UNION, LOCAL NO. 54, PORTLAND

Initiation fee .....	\$ 25.00		Wage Scale, per day	
Monthly dues .....	2.25	1920 and 1919	.....	\$ 8.00
Death benefit .....	100.00	1918	.....	7.00

Work 44 hours per week; idleness during 1920, 50 per cent; 1919, 75 per cent; 1918, 75 per cent; 75 per cent of members married; average number of days worked in year, 150.

## LAUNDRY WORKERS' UNION, THE DALLES

Initiation fee .....	\$ 1.00		Wage Scale, per week	
Monthly dues .....	50-1.00	1920:		
Strike benefits, per week .....	5.00	Males .....	\$ 25.00	
		Females .....	15.00	
		1919:		
		Males .....	20.00	
		Females .....	10.00	
		1918:		
		Males .....	16.00	
		Females .....	8.00	

Work 48 hours per week; idleness among members in 1920, 5 per cent; 1919 and 1918, 10 per cent; 75 per cent of members married.

March, 1920, 8 males and 33 females became involved in strike over question of wages and conditions; matter arbitrated and 10 per cent wage increase granted, with satisfactory working conditions.

## LAUNDRY WORKERS' UNION, LOCAL NO. 70, PORTLAND

Initiation fee .....	\$ 1.00		Wage Scale, per week	
Monthly dues .....	.50-.75	1920:		
		Males .....	\$ 40.00	
		Females .....	18.00-25.00	
		1919:		
		Males .....	40.00	
		Females .....	18.00-25.00	

Work 48 hours per week; idleness among members in 1920, 25 per cent; 75 per cent of members married.

September, 1919, organization became involved in a strike in majority of Portland laundries; 25 males, 375 females involved over demands for increase of pay and better working conditions; employers refused to recognize union, although employees in laundries have received increased wages.

LETTER CARRIERS' NATIONAL ASSOCIATION, BRANCH NO. 82,  
PORTLAND

Initiation fee .....	\$		Wage Scale, per year	
Monthly dues .....		.50	1920 .....	\$1,800.00
Sick benefit, per week .....		10.00	1919 .....	1,650.00
			1918 .....	1,500.00

Work 48 hours per week; 75 per cent of members married.

LOCOMOTIVE FIREMEN AND ENGINEMEN, BROTHERHOOD OF, BLUE  
MOUNTAIN LODGE NO. 348, LA GRANDE

Initiation fee .....	\$	4.00	Wage Scale (average) per day	
Monthly dues .....		2.00	1918-1920 .....	\$ 4.76
Insurance dues, per month .....		1.10		
Accident benefit (optional), per week .....		7.00-30.00		
Death benefit .....		500.00-4,500.00		
Funeral benefit for noninsured members .....				

Work 8 hours per day, 112 hours per week (maximum); idleness among members in 1920, 5 per cent; none in 1919-1918; 75 per cent of members married; average number of days worked in year, 365.

LOCOMOTIVE FIREMEN AND ENGINEMEN, BROTHERHOOD OF, LOCAL  
NO. 542, ROSEBURG

Initiation fee .....	\$	4.00	Wage Scale, per day	
Monthly dues .....		2.00-7.00	1920 (8 hours) .....	\$4.00-5.68
Accident benefit (optional) per week .....		7.00-30.00	1919 (8 hours) .....	4.00-5.68
Strike benefit, per day .....		2.00	1918 .....	3.30-4.81
Pension (minimum) per month .....		30.00		

Work 56 to 112 hours per week; no idleness among members since 1918; 90 per cent of members married; average number of days worked in year, 360.

## LONGSHOREMEN'S ASSOCIATION NO. 38-6, PORTLAND

Initiation fee .....	\$	25.00	Wage Scale, per hour	
Monthly dues .....		1.00	1920 .....	\$0.90-1.00
Death benefit .....		150.00	1919, 1918 .....	.80-1.00

Average work 32 hours per week; idleness among members, 33 1/4 per cent; 50 per cent of members married; average number of working days in year, 200.

MACHINISTS, INTERNATIONAL ASSOCIATION OF, LODGE NO. 1233, LA  
GRANDE

Initiation fee .....	\$	10.00	Wage Scale, per hour	
Monthly dues .....		2.00	1920 .....	\$0.72-.85
Out of work benefit, per week .....		8.00	1919 .....	.68-.72
Death benefit .....		50.00-200.00	1918 .....	.56-.68

Work 48 hours per week; no idleness among members since 1918; 60 per cent of members married; average number of days worked in year, 300.

MACHINISTS, INTERNATIONAL ASSOCIATION OF, LOCAL NO. 734,  
PORTLAND

Initiation fee .....	\$	5.00-10.00	Wage Scale, per hour	
Monthly dues .....		.75-1.50	1920 .....	\$0.72-.85
Death benefit .....		50.00-200.00	1919 .....	.68-.72
			1918 .....	.58-.68

Work 48 hours per week; no idleness among members since 1918; 90 per cent of members married; average number of days worked in year, 305.

MACHINISTS, INTERNATIONAL ASSOCIATION OF, WILLAMETTE LODGE  
NO. 63, PORTLAND

Initiation fee .....	\$	15.00	Wage Scale, per hour	
Monthly dues .....		1.50	1920 .....	\$ 0.88
Strike benefit, per week .....		8.00	1919 .....	.72-.88
Death benefit .....		50.00-100.00	1918 (per day) .....	5.25

Work 44 hours per week; idleness among members in 1920, 15 per cent; none in 1919, 1918; 80 per cent of members married; average number of days worked in year, 230.

## MAILERS' UNION NO. 13, PORTLAND

Initiation fee .....	\$ 20.00		Wage Scale, per day	
Monthly dues .....	.50	1920		\$ 6.00
Death benefit .....	50.00-300.00	1919 and 1918		4.00

Work 48 hours per week; 75 per cent of members married.

## MEAT CUTTERS' UNION (AMALGAMATED), PORTLAND

Initiation fee .....	\$ 25.00		Wage Scale, per week	
Monthly dues .....	1.75	1920		\$ 38.00
Sick benefit, per week .....	10.00	1919		38.00
Death benefit .....	100.00	1918		25.00

Work 54 hours per week; no idleness since 1918; 50 per cent of members married; average number of days worked in year, 313.

## MILLMEN'S UNION, LOCAL NO. 1120, PORTLAND

Initiation fee .....	\$ 5.00		Wage Scale, per day	
Monthly dues .....	1.25	1920		\$ 6.00
Death benefit .....	50.00-300.00	1919		6.00
Disability benefit .....	50.00-400.00	1918		5.50

Work 48 hours per week; idleness among members in 1920, 1919, 10 per cent; 1918, none; 75 per cent of members married; average number of days worked in year, 300.

## MOVING PICTURE MACHINE OPERATORS' UNION NO. 159, I. A. T. S. E. OF U. S. &amp; C., PORTLAND

Initiation fee .....	\$100.00		Wage Scale, per hour	
Monthly dues .....	2.00	1920		\$ 1.00
		1919, 1918		.83 1/2

Work 36 hours per week; no idleness among members since 1918; 95 per cent of members married; average number of days worked in year, 313.

September, 1919, 31 members were involved in strike in support of the musicians' minimum; settled by arbitration.

## MUSICIANS' MUTUAL ASSOCIATION, LOCAL NO. 99, PORTLAND

Initiation fee .....	\$ 25.00		Wage Scale (average) per week	
Quarterly dues .....	2.00	1920		\$ 50.00
Death benefit .....	100.00	1919		45.00
		1918		35.00

Work about 42 hours per week; idleness among members since 1918, 50 per cent; 70 per cent of members married; average number of days worked in year, 200.

July, 1920, 26 men and 4 women called on strike from five moving picture houses; cause emanating from a condition involving employers in another city.

## MUSICIANS PROTECTIVE UNION, LOCAL NO. 273, PENDLETON

Initiation fee .....	\$ 10.00		No wage scale reported.	
Quarterly dues .....	1.25			

Members married, 40 per cent; average number of days worked in year, 365 in theaters.

## PAINTERS, DECORATORS AND PAPERHANGERS OF AMERICA, BAKER

Initiation fee .....	\$ 20.00		Wage Scale, per day	
Monthly dues .....	1.00	1920		\$ 7.00
Sick benefit, per week .....	5.00	1919		5.60
Death benefit .....	100.00-300.00	1918		4.80

Work 48 hours per week; no idleness among members since 1918; 90 per cent of members married; average number of days worked in year, 280.

## PAINTERS, DECORATORS AND PAPERHANGERS OF AMERICA, LOCAL NO. 628, BEND

Initiation fee .....	\$ 25.00		Wage Scale, per hour	
Monthly dues .....	1.50	1920		\$1.00
Sick benefit, per week .....	7.00	1919		.87 1/2
		1918		.75

Work 44 hours per week; no idleness among members in 1920; 25 per cent in 1919 and 1918; 75 per cent of members married; average number of days worked in year, 200.

# PAINTERS, DECORATORS AND PAPERHANGERS OF AMERICA, LOCAL NO. 10, PORTLAND

Initiation fee .....	\$ 25.00		Wage Scale, per hour	
Monthly dues .....	2.00	1920	.....	\$1.00
Sick benefit, per week .....	5.00	1919	.....	.90-1.00
Accident benefit, per week .....	5.00	1918	.....	.70-.90
Death benefit .....	50.00-300.00			
Disability benefit optional.				

Work 44 hours per week; idleness among members in 1920, 10 per cent; 1919, 15 per cent; 1918, 5 per cent; 80 per cent of members married; average number of days worked in year, 192.

# PAINTERS, DECORATORS AND PAPERHANGERS OF AMERICA, LOCAL NO. 724, SALEM

Initiation fee .....	\$ 15.00		Wage Scale, per hour	
Monthly dues .....	1.50	1920	.....	\$ 0.90
Sick and accident benefits in- definite .....		1919	.....	.80
		1918	.....	.70
Death benefit .....	25.00-300.00			

Work 48 hours per week; idleness among members in 1920, 20 per cent; 1919, 1918, 25 per cent; 90 per cent of members married; average number of days worked in year, 200.

# PATTERNMAKERS' ASSOCIATION, PORTLAND

Initiation fee .....	\$ 25.00		Wage Scale, per day	
Monthly dues .....	3.25	1920	.....	\$ 9.50
Sick benefit, per week .....	6.00	1919	.....	8.00-9.00
		1918	.....	7.00-7.50

Work 44 hours per week; idleness among members in 1920, 2 per cent; 1919, 3 per cent; 1918, none; 75 per cent of members married.

Beginning October, 1919, strike was called in four shops, involving 10 men, over question of wages and hours. Men went to work in other shops; contentions still alive at date of report.

# PHOTO ENGRAVERS' UNION NO. 31, PORTLAND

Initiation fee .....	\$ 30.00		Wage Scale, per week	
Monthly dues .....	2.50	1920	.....	\$ 46.00
Sick benefit, per week .....	15.00	1919	.....	40.00
Death benefit .....	250.00	1918	.....	35.00

Work 44 hours per week; no idleness since 1918; 80 per cent of members married.

# PLASTERERS' AND FINISHERS' UNION NO. 82, PORTLAND

Initiation fee .....	\$ 50.00		Wage Scale, per day	
Monthly dues .....	1.50	1920	.....	\$ 10.00
Death benefit .....	200.00	1919	.....	9.00-10.00
		1918	.....	8.00- 9.00

Work 44 hours per week; practically no idleness among members since 1918.

# PLUMBERS, STEAMFITTERS AND HELPERS, UNITED ASSOCIATION, ASTORIA

Initiation fee .....	\$ 25.00		Wage Scale, per hour	
Monthly dues .....	1.45	1920	.....	\$1.12½
Sick benefit, per week .....	5.00	1919	.....	1.00
Strike benefit, per day .....	1.00	1918	.....	.87½
Death benefit .....	100.00			

Work 44 hours per week; practically no idleness among members since 1918; 95 per cent of members married; average number of working days in year, 200.

Beginning October, 1919, strike involving 20 men employed in shipyards over question of wages; still contested at date of report.

# PLUMBERS UNION NO. 51, PORTLAND

Initiation fee .....	\$ 30.00		Wage Scale, per day	
Monthly dues .....	2.50	1920	.....	\$ 9.00
Sick benefit, per week .....	5.00	1919	.....	8.00-9.00
Strike benefit, per week .....	5.00	1918	.....	6.50
Death benefit .....	100.00			

Work 44 hours per week; unemployment among members, 1920, 10 per cent; 1919, 20 per cent; 1918, 40 per cent; 75 per cent of members married; average number of days worked in year, 180.

### POSTOFFICE CLERKS, NATIONAL FEDERATION, LOCAL NO. 128, PORTLAND

Initiation fee .....	\$		Wage Scale, per year	
Monthly dues .....		.50	1920 .....	\$1,400.00-1,800.00
			1919 .....	1,000.00-1,650.00
			1918 .....	880.00-1,500.00

Work 48 hours per week; 60 per cent of members married; average number of days worked in year, 306.

### PRINTING PRESSMEN AND ASSISTANTS' UNION NO. 43, PORTLAND

Initiation fee .....	\$5.00-2.50	Wage Scale, per week	
Monthly dues .....	2.65-2.10	1920 .....	\$36.00-43.00
Death benefit .....	100.00		

Work 48 hours per week; practically no unemployment among members since 1918; 50 per cent of members married.

### RAILWAY CARMEN OF AMERICA, BROTHERHOOD, LA GRANDE

Initiation fee .....	\$ 10.00	Wage Scale, per hour	
Monthly dues .....	1.50	1920 and 1919 .....	\$ 0.67
		1918 .....	.58

Work 48 hours per week; no unemployment during 1920; 60 per cent of members married.

### RAILWAY CARMEN OF AMERICA, BROTHERHOOD, LOCAL NO. 268, PORTLAND

Initiation fee .....	\$ 10.00	Wage Scale, per hour	
Monthly dues .....	1.50-1.25	1920:	
Death benefit .....	50.00-250.00	Males .....	\$0.80-.85
		Females .....	.62
		1919:	
		Males .....	.67-.72
		Females .....	.49
		1918:	
		Males .....	.58
		Females .....	.45

Work 48 hours per week; no unemployment among members; 85 to 90 per cent of members married; average number of working days in year, 300.

### RAILWAY CLERKS, BROTHERHOOD OF, THE DALLES

Initiation fee .....	\$2.50	No wage scale reported.	
Monthly dues .....	1.33 $\frac{1}{2}$		

Work 48 hours per week; no unemployment among members; 25 per cent of members married; average number of working days in year, 306.

### RAILWAY CLERKS, BROTHERHOOD OF, PORTLAND

Initiation fee .....	\$ 5.00	No wage scale reported.	
Monthly dues .....	1.50		

Work 48 hours per week; no unemployment among members; 30 per cent of members married; average number of working days in year, 306.

### RAILWAY AND STEAMSHIP CLERKS, FREIGHT HANDLERS AND STATION EMPLOYEES' UNION, ROSEBURG

Initiation fee .....	\$ 5.00	Wage Scale (average), per day	
Monthly dues .....	1.50	1920 .....	\$4.00-4.31
		1919-1918 .....	4.00-4.31

Work 48 hours per week; no idleness among members since 1918; 75 per cent of members married; average number of days worked in year, 306.

### RETAIL CLERKS' INTERNATIONAL PROTECTIVE ASSOCIATION, PORTLAND

Initiation fee .....	\$ 3.00	Wage Scale, per week	
Monthly dues .....	1.00	1920 (female) .....	\$15.00-18.00
Sick benefit, per week .....	5.00	1919 (female) .....	13.50
Death benefit .....	200.00-500.00		

Work 48 to 50 hours per week; 45 per cent of members married; average number of working days per year, 306.

Report two strikes beginning January, 1920, involving 20 males, 3 females, over working conditions; not settled at date of report.

## SAILORS UNION OF THE PACIFIC, PORTLAND

Initiation fee .....	\$ 5.00		Wage Scale, per month	
Monthly dues .....	1.00	1920	.....	\$ 90.00
Strike benefit, per week .....	5.00	1919	.....	90.00
Death benefit .....	85.00	1918	.....	75.00
Shipwreck benefit .....	75.00			

Work 48 hours per week; no unemployment among members since 1918; 50 per cent of members married.

SHEET METAL WORKERS' INTERNATIONAL ALLIANCE, AMALGAMATED,  
LOCAL NO. 16, PORTLAND

Initiation fee .....	\$ 75.00		Wage Scale, per day	
Monthly dues .....	3.00	1920	.....	\$ 8.00
Sick benefit, per week .....	7.00	1919	.....	6.88-8.00
Accident benefit, per week .....	7.00	1918	.....	6.88
Death benefit .....	100.00-1,300.00			

Work 44 hours per week; unemployment among members in 1920, 10 per cent; 1919, 5 per cent; 1918, 1 per cent.

## SHIPWRIGHTS AND JOINERS' UNION, LOCAL NO. 1098, MARSHFIELD

Initiation fee .....	\$ 5.00		Wage Scale, per day	
Monthly dues .....	1.50	1920	.....	\$ 8.00
Death benefit .....	50.00-300.00	1919	.....	6.00
		1918	.....	6.88

Work 48 hours per week; unemployment during 1920, none; 1919, 25 per cent; 1918, 25 per cent; 90 per cent of members married; average number of working days in year, 250.

Report of strike beginning in January, 1918, against a shipbuilding plant, over question of wages, 400 involved; no settlement ever reached.

## SHIPRIGGERS AND LINERS' UNION, PORTLAND

Initiation fee .....	\$ 10.00		Wage Scale, per hour	
Monthly dues .....	1.00	1920	.....	\$ 1.00
Death benefit .....	150.00	1919	.....	.80
		1918	.....	.65

Work 44 hours per week; no unemployment among members since 1918; 75 per cent of members married; average number of working days in year, 275.

## SIGN AND PICTORIAL PAINTERS' UNION, LOCAL NO. 428, PORTLAND

Initiation fee .....	\$ 30.00		Wage Scale, per week	
Monthly dues .....	2.50	1920	.....	\$ 55.00
Sick benefit, per week .....	7.00	1919	.....	40.00
Accident benefit, per week .....	7.00	1918	.....	33.50
Death benefit .....	300.00			

Work 44 hours per week; no unemployment among members since 1918; average number of working days in year, 210.

## SOFT DRINK DISPENSERS' UNION, LOCAL NO. 496, PORTLAND

Initiation fee .....	\$ 15.00		Wage Scale, per week	
Monthly dues .....	1.25	1920	.....	\$ 30.00
Sick benefit, per week .....	10.00	1919	.....	27.50
Death benefit .....	100.00			

Work 48 hours per week; no unemployment among members; 25 per cent of members married; average number of working days in year, 312.

## STEAM FITTERS' UNION NO. 235, PORTLAND

Initiation fee .....	\$20.00-30.00		Wage Scale, per day	
Monthly dues .....	2.00	1920-1919:		
Sick benefit, per week .....	5.00	Building trades .....	\$9.00-6.00	
Strike benefit, per week .....	5.00	Shipyards .....	7.08-5.60	
Death benefit, donation.				

Members married, 80 per cent; average number of working days in year, 168.

## STEREOTYPERS AND ELECTROTYPERS' UNION NO. 48, PORTLAND

Initiation fee .....	\$ 10.00	1920: Wage Scale, per week	
Monthly dues .....	1.75	Stereotypers .....	\$ 39.00
Death benefit .....	150.00	Electrotypers .....	46.00
		1919:	
		Stereotypers .....	39.00
		Electrotypers .....	40.00

Work hours per week, stereotypers 48, electrotypers 44; no unemployment among members since 1918; about 75 per cent of members married.

## STREET AND ELECTRIC RAILWAY EMPLOYEES OF AMERICA, AMALGAMATED ASSOCIATION, LOCAL NO. 757, PORTLAND

Initiation fee .....	\$ 2.50	1920 Wage Scale, per hour	
Monthly dues .....	1.25	1920 (basic) .....	\$ 0.62
Death-disability benefits .....	50.00-800.00		

Members married, 75 per cent; number of working days in year, 365.

## STREET AND ELECTRIC RAILWAY EMPLOYEES OF AMERICA, AMALGAMATED ASSOCIATION, SALEM

Initiation fee .....	\$ 3.75	1920 Wage Scale, per hour	
Monthly dues .....	1.25	1920 .....	\$0.42-.48
Death benefit .....	100.00-800.00	1919 .....	.42-.48
Old age and disability bene- fits .....	100.00-800.00	1918 .....	.31¼-.42½

No unemployment among members since 1918; 95 per cent of members married; average number of working days in year, 350.

## HIGH SCHOOL TEACHERS' UNION, LOCAL NO. 111, PORTLAND

Initiation fee .....	\$ 1.00	1920 Wage Scale, per annum	
Monthly dues:		1920 .....	\$1,600.00-2,200.00
Local .....	.50	1919, 1918 .....	1,200.00-1,800.00
National .....	.15-.25		

Work 25 hours per week; nearly 50 per cent of members married; average number of working days in year, 200.

## TAILORS' UNION NO. 74, PORTLAND

Initiation fee .....	\$ 2.00	1920: Wage Scale, per week	
Monthly dues .....	1.25	Males .....	\$ 40.00
Sick benefit, per week .....	3.00	Females .....	27.00
Death benefit .....	100.00	1919:	
		Males .....	33.00
		Females .....	21.00
		1918:	
		Males .....	27.50
		Females .....	18.00

Work 44 hours per week; 95 per cent of members married.  
Beginning September, 1919, 220 males, 80 females, went on strike for increase of wages and abolition of piece work; ended October 11, 1920; concessions made on piece work contention.

## TEAMSTERS' UNION NO. 182, ASTORIA

Initiation fee .....	\$ 10.00	1920, 1919 Wage Scale, per day	
Monthly dues .....	1.50	1920, 1919 .....	\$5.50-6.00
Sick benefit, per week .....	12.00		
Strike benefit, per week .....	5.00		
Death benefit .....	200.00		

Work 48 hours per week; unemployment among members in 1920, 10 per cent; none in 1919 or 1918; 70 per cent of members married; average number of working days in year, 300.

**TEAM, AUTO TRUCK AND DELIVERY DRIVERS' UNION, LOCAL NO. 162, PORTLAND**

Initiation fee .....	\$ 5.00	Wage Scale, per day	
Monthly dues .....	1.50	1920 .....	\$4.25-5.25
Sick benefit, per week .....	7.00		
Accident benefit, per week .....	5.00		
Death benefit .....	75.00		

Work 48 hours per week; unemployment among members, 1920, 5 per cent; none in 1919 and 1918; 50 per cent of members married; average number of working days in year, 250.

Since 1918 have had three strikes with total of 102 men involved; no definite results.

**TELEPHONE OPERATORS' UNION NO. 44-A, PORTLAND**

Initiation fee .....	\$ 2.00	Wage Scale, per week	
Monthly dues .....	.75	1920:	
Sick benefit, per week .....	3.00	Minimum .....	\$ 13.50
		Maximum .....	20.00
		1919:	
		Minimum .....	11.00
		Maximum .....	19.00
		1918:	
		Minimum .....	9.00
		Maximum .....	16.00

Average number of working days in year, 312.

Strike from June 30, 1919, until July 21, 1919, involving 600 female members, to enforce wage demands; settled through mediation.

**THEATRICAL STAGE EMPLOYES' UNION, LOCAL NO. 28, PORTLAND**

Initiation fee .....	\$ 50.00	Wage Scale, per week	
Monthly dues, 1% of wage and .....	1.50	1920 .....	\$ 50.00
Death benefit .....	100.00	1919 .....	42.00
		1918 .....	40.00

Work 48 hours per week; unemployment of members during 1918, 1919 and 1920, 20 per cent; 50 per cent of members married; average number of working days in year, 275.

Two members called on strike July, 1920, in support of another organization; still pending.

**TIMBERWORKERS' UNION, INTERNATIONAL, SILVERTON**

Initiation fee .....	\$ 2.00	Wage Scale, per hour	
Monthly dues .....	1.00	1920 .....	\$ 0.55
		1919 .....	.50
		1918 .....	.40

Work 48 hours per week; unemployment of members during 1920, 2 per cent; none in 1919, 1918; 50 per cent of members married; average number of working days in year, 290.

April, 1920, 125 members were on strike for 15 days on account of alleged discrimination; strike called off and controversy placed in hands of conciliation board.

**TYPOGRAPHICAL UNION NO. 682, ASTORIA**

Initiation fee .....	\$5.00-20.00	Wage Scale, per week	
Death benefits .....	75.00-500.00	1920 .....	\$ 34.50
		1919 .....	31.50
		1918 .....	27.00

Work 45 hours per week; no unemployment among members since 1918; 90 per cent of members married.

Five members were on strike from October, 1918, to October, 1919, over questions of recognition and overtime pay; strike ended when management changed.

**TYPOGRAPHICAL UNION NO. 780, BEND**

Initiation fee .....	\$17.00-25.00	Wage Scale, per week	
Monthly dues, 1% on wage and .....	1.50	1920 .....	\$ 36.00
Death benefits .....	75.00-500.00	1919 .....	30.00
		1918 .....	24.00

Work 48 hours per week; no unemployment among members since 1918; 90 per cent of members married.

### TYPOGRAPHICAL UNION NO. 779, LA GRANDE

Initiation fee .....	\$7.00-22.00		Wage Scale, per day	
Monthly dues, 1% on wage plus	1.00	1920		\$ 6.50
Death benefits .....	75.00-500.00	1919, 1918		4.25

Work 48 hours per week; no unemployment among members since 1918; 62 1/4 per cent of members married; average number of working days in year, 308.

### TYPOGRAPHICAL UNION NO. 559, MEDFORD-ASHLAND

Initiation fee .....	\$ 5.00		Wage Scale, per week	
Monthly dues, 1/2 of 1% plus.....	.50	1920		\$34.50-36.00
		1919		24.00-25.00
		1918		22.50-24.00

Work 48 hours per week; practically no unemployment among members since 1918; 72 per cent of members married; average number of working days in year, 325.

### TYPOGRAPHICAL UNION NO. 214, PENDLETON

Initiation fee .....	\$3.00-22.00		Wage Scale, per day	
Monthly dues, 1/2 of 1% plus	.50	1920		\$5.50-6.00
Death benefits .....	75.00-500.00	1919		4.50-5.00
		1918		4.50-5.00

Work 48 hours per week; no unemployment among members since 1918; 90 per cent of members married; average number of working days in year, 310.

### TYPOGRAPHICAL UNION NO. 58, PORTLAND

Initiation fee .....	\$5.00-22.00		Wage Scale	
Monthly dues, 2% on earnings.		1920 (job), per week		\$ 41.00
Strike benefits, per week.....	5.00-7.00	1920 (newspaper), per hour.....		1.00
Death benefits .....	75.00-500.00	1920 (linotype job), per hour.....		1.10
		Newspaper and job linotype scales being arbitrated at time of report.		

Work 45 to 48 hours per week; no unemployment among members since 1919; very small in 1918; estimated 50 per cent of members married.

### TYPOGRAPHICAL UNION NO. 210, SALEM

Initiation fee .....	\$ 7.00		Wage Scale, per week	
Monthly dues, percentage basis.		1920		\$36.00-39.00
Death benefits .....	75.00-500.00	1919		30.00-36.00
		1918		24.00-27.00

Work 44 hours per week; average number of working days in year, 300.

### UPHOLSTERERS AND TRIMMERS' UNION, LOCAL NO. 65, PORTLAND

Initiation fee .....	\$ 10.00		Wage Scale (minimum), per day	
Monthly dues	1.50	1920		\$ 7.00
Strike benefit, per week	7.00	1919		7.00
		1918		5.00

Work 48 hours per week; very little unemployment among members in last two years; 75 per cent of members married.

One strike ending in November, 1919, over wage increase demand for \$42.00 per week in one factory; compromised at \$40.00, but union was not recognized.

### WAITERS AND WAITRESSES' UNION NO. 189, PORTLAND

Initiation fee:			Wage Scale, per week	
Males .....	\$6.00-10.00	1920:		
Females .....	4.00- 6.00	Males .....		\$18.00-24.00
Monthly dues:		Females .....		16.00
Males .....	1.50	1919:		
Females .....	1.25	Males .....		18.00-24.00
Sick benefit, per week .....	7.00	Females .....		16.00
Death benefit .....	100.00	1918:		
		Males .....		13.00
		Females .....		12.00

Work 48 hours per week; unemployment among members in 1920, 4 per cent; 1919, 2 per cent; 1918, 4 per cent; 25 per cent of members married; average number of working days in year, 300.

## WEB PRESSMEN'S UNION NO. 17, PORTLAND

Initiation fee .....	\$ 25.00		Wage Scale, per day	
Monthly dues .....	3.15	1920	.....	\$7.75-7.50
Strike benefits, per week .....	5.00-7.50	1919	.....	6.50-6.25
		1918	.....	5.25-5.00

Work 48 hours per week; no unemployment among members since 1918; 90 per cent of members married; average number of days worked in year, 360.

## WOODSAWYERS' UNION, PORTLAND

Initiation fee .....	\$ 5.00
Monthly dues .....	1.50

Have no wage scale and no uniform hours; about 85 per cent of members married; average number of days worked in year, 200.

In circulating the questionnaire to labor unions, an opportunity was also given individual members to present data relating to their personal affairs. To this invitation a few hundred responded: it being gleaned therefrom that 58% claimed they had saved no money in the last two years; 42% reported having accumulated something, and stated the amounts, which would indicate an average of \$259.00 for the year 1918, and an average of \$228.00 for 1919. 48% claimed that they owned their home or had a contract to purchase; the remainder, 52%, claimed to be renters. The home owners placed a value on their property which when computed indicates an average value of \$2,436.00.

The renters report an average monthly rate as follows: 1918, \$16.58; 1919, \$19.88; 1920, \$23.70.

If the quotation of 42% home owners is challenged on the ground of not being representative, it may be accounted for in this instance by pointing out that the information came voluntarily and without personal solicitation, and may have met with a larger proportionate response from home owners, who, with pardonable pride, are quite willing to acclaim the fact.

Taking advantage of the opportunity to offer opinions as to the best means to reduce the cost of living and promote the general welfare of labor, the following suggestions appear with frequency in the order named:

1. Legislation directed against profiteers.
2. More wages.
3. Have all manufactured goods bear price mark.
4. Give labor share and voice in industry.

## CONCILIATION AND ARBITRATION

In this, Oregon is one of the leaders in the United States. The last regular session of the legislature passed an act creating a conciliation board and providing ways for arbitration in labor disputes.

Such a board was duly appointed by the Governor and their report speaks for itself. We are convinced that this board is responsible for Oregon having fewer strikes and lockouts than any other state in the Union. It is to be hoped sincerely that the Legislature will provide the means whereby this board can continue its good work.

The personnel of the board and their report are as follows:

Wm. F. Woodward, Chairman, Wood-Lark Building; John K. Flynn, 589 Hoyt Street; Otto R. Hartwig, Secretary, 413 Stock Exchange Building, all of Portland.

Section 14, page 178, General Laws of Oregon, 1919, provides as follows:

"On the 31st day of July of each year the state board of conciliation shall make a report to the governor, containing such statements, facts and explanations as will disclose its methods and work, with such suggestions as to legislation conducive to the adjustment of disputes between employers and employes as it may deem proper."

Complying therewith the writer, chairman of and in behalf of the State Board of Conciliation, as to the activities of this body since its formation under the provisions of this law, submits the following:

The Board was organized on July 2, 1919, and immediately entered into a hearing as to the matters at issue between the Pacific Telephone & Telegraph Co., and their employes, members of International Brotherhood of Electrical Workers and Telephone Operators' Union. Findings were submitted and inasmuch as the affairs of the Company at that time were under the control of the Federal Administration, the inquiry could not be conducted on a basis of arbitration. The Board is of the opinion, however, that its efforts toward a settlement were productive of good and, although, not wholly satisfactory to the employes, hastened a settlement of the issues involved.

On July 23, 1919, the Board sat as arbitrators in wage issue between the Grain Handlers and Grain Dock Operators of Portland, Seattle and Tacoma. Findings were made by the Board and adopted by both parties to this controversy.

The Board acted as conciliators in issues between Local Union 710, Hoisting Portable and Shipyard Engineers and Independent Paving Co., Hassam Paving Co., Warren Construction Co., and Oskar Huber, on July 28 and 30, and August 4 and 5, 1919, the employers in the controversy declining to accept arbitration. The Board referred its findings to the State Highway Commission, which in turn stated the matters at issue were outside their jurisdiction. No further action has been taken.

On August 14, 1919, the Board acted as arbitrators in a controversy as to wages between mill operators and employes at Bend, Oregon, i. e. Brooks Scanlon Lumber Co. and Shelvin, Hixon Co. Several hearings were held and the findings of the Board were accepted by both parties.

On September 9th the Board, acting as conciliators, held a hearing at Astoria between the Port of Astoria and several of its employes. Recommendations were made by the Board providing for a further hearing if the issues were found to be impossible of settlement locally. No further hearings, however, were necessary.

On May 10, 1920, acting as conciliators, matters between the Silver Falls Timber Company and certain of its employes, were discussed with

the managing head of the Company. Upon the basis of assurance of the Company of their entire willingness and desire to deal fairly by their employees, the hearing was closed and none has been held since, nor have there been further complaints filed with the Board.

On May 26th, the Board, acting as conciliators as to a controversy which had arisen between the Milton Creek Logging Company, Briggs, Noyes & Holland Co., and their employees, based upon allegations of unfair treatment of the men by the Company. A hearing was held on June 1st, there being present managing officers of the Company and a number of its employees. At the close of this meeting, assurances were made by the employers that its officers had not in the past nor would they in the future discriminate against any employee by reason of his affiliation with any labor organization. Pending further advices as to the status of this matter, the Board has had no further session thereon.

The Board, acting as arbitrators, on June 10, 1920, met with the officers of the Master Barbers' Association of Portland and Journeymen Barbers' Union, Local No. 75, of Portland, in the adjustment of differences as to wages, hours and conditions. Following this hearing the Board issued its findings under date of June 29th. Following this decision, request was made by the officers of the Master Barbers Association for a re-hearing in order that certain additional evidence might be submitted bearing upon the issue. This was granted, hearing being held on July 21st, at which time statements, written and oral, were submitted by the parties concerned. Following same, the Board issued a statement affirming its previous decision.

There is now in the hands of the Board for further action a petition bearing fifty signatures requesting that the Board act in the adjustment of a wage issue which has arisen between the signatories, employees, and their employer, the C. K. Spaulding Logging Co. A previous request for a hearing by a number of the signers of this petition was conveyed to the Company in question, followed by a declination on the part of the latter. The Board has again submitted the matter to the Company with a request that favorable consideration be accorded the same.

The expenses of the Board thus far have not been relatively large. Total outlay for expenses involved up to this date (July 31, 1920), aggregate \$977.75. Two members have thus far declined to avail themselves of the provision of the law providing for compensation.

A sufficient period of time has elapsed since the creation of this body and the matters submitted to it for arbitration or adjustment have been sufficient in number to fairly indicate its need or value to the commonwealth. It is the unanimous opinion of the Board that the principle sought for in the act is a worthy one and that the method to be pursued is in the main correct, and without question makes for harmony between the employer and the employee. No suggestion is offered as to any additional legislation or change in the existing law. The Board has steadfastly declined to arbitrate or sit in on issues involving recognition of the so-called closed shop or open shop, confining its offices entirely to the consideration of issues involving the questions of wages, hours, and conditions. Nor will the Board consider issues if, or while, a strike or lock-out exists. As a prerequisite the industry must function.

It is the experience of the Board that employers generally are sympathetic and willing and anxious to enlist the services of the Board upon nearly all cases at issue, and employees generally are disposed to be fair and to lay aside rancor and prejudice in presenting their grievances or issues, whatever they may be. There are, of course, exceptions, but not many and they grow less with time.

It is our belief that mandatory laws providing compulsory arbitration of questions between employer and employee are of doubtful value or

expediency. The application of force does not tend to allay distrust or promote good feeling. In so far as may be possible in all of these issues which may arise, the spirit of reasonableness, the voluntary approach from each side, through and to a medium dispassionate, sympathetic and anxious to serve, wherein judicial status, legal phraseology and technicalities are, as far as may be possible, discarded, lends itself more quickly to a spirit of all the parties concerned in the questions at issue, as well as the body which weighs the merits and demerits of the questions raised, which promotes a spirit of good feeling. To be sure, witnesses are sworn, there is much documentary matter presented and some forms incident to courts which make for courtesy and orderly procedure, are observed. But other than these, the hearings of the Board on all questions, have been marked by an informality which has hastened final decision with a degree of resultant satisfaction, which is attested by the fact that re-hearings have been asked for in but two instances.

In the first it was granted upon condition that additional evidence be submitted. Incidentally it may be stated in this case that a further and voluntary increase in the wage scale was made by the asking Company within a short period after the request for re-hearing.

In the second case the request for re-hearing was granted and the decision of the Board reaffirmed.

Some eighteen months have passed since the Board was formed. It is not at all likely that there will be frequent call for its services, and this is as it should be. Far better for the well-being of industry that employer and employee should meet and adjust their differences without outside intervention. It is the existence of this body and the knowledge of its powers, wisely executed, which constitute its greatest factor and aid toward industrial peace.

Respectfully submitted,

WILLIAM F. WOODWARD,

Chairman State Board of Conciliation.

We also record the activities of a Voluntary Arbitration Board created by the Commercial Club and the Central Labor Council of Salem.

These two bodies, recognizing the futility and waste incident to strikes, and being convinced that there is a middle ground where employer and employe can meet, decided that if it were in their power Salem should be free from serious labor troubles. Representatives from the two bodies met and worked out a plan which resulted in the appointment of three men from the Commercial Club and three from the Central Labor Council and this joint committee has done good work.

Through its efforts, Salem has been free from strikes and lockouts, and all disputes between employers and workmen have been amicably settled without cessation of work and without the hatred and ill feeling always incident to prolonged labor disturbances.

If Commercial Clubs and Central Labor Councils in all industrial centers in the State would follow the lead made in Salem by creating a board to which the worker could appeal for redress of a grievance, whether imaginary or real, we feel that Oregon would be entirely free from all strife, thus creating a condition of contentment, and general satisfaction and encouraging the coming of new industries into the State, which in turn would mean a bigger and better Oregon.

This Board is working under the name of the Salem Industrial Welfare Commission, and as we believe it is of general interest to know how the Board is organized, we print in full the working rules as adopted as well as the report of its activities and the personnel, which is as follows:

Representing the Central Labor Council: C. G. Gray, W. R. Darby, L. J. Simeral, President of the Commission.

Representing the Commercial Club: F. G. Deckebach, W. G. Allen, Paul B. Wallace, Secretary of the Commission.

Rules of the Salem Welfare Commission adopted at the organization of the Commission at a meeting held at the Commercial Club of Salem, September 9, 1919:

1. This board shall be known as the Salem Industrial Welfare Commission.

2. It shall be composed of six members, three of whom shall be chosen by the employers of labor and three chosen by the employees.

3. This Commission shall sit upon the question of wages, hours, working conditions and other questions which it shall deem as vitally affecting the industrial welfare of the Salem community.

4. No question of difference shall be considered or investigated except it be voluntarily submitted to this Commission by both parties to the controversy, with a request from both of said parties in writing and with the express understanding that the decision rendered shall be accepted by both contending parties.

5. A decision shall be reached by this Commission entirely upon the evidence considered.

6. The Australian system of ballot shall be used in determining the vote of the members of this Commission upon a final decision to be rendered.

7. A ruling made which affects a wage scale or hours shall not go into effect for a period of not less than 60 days unless it be shown that the party affected had not been notified previous to the commencement of arbitration proceedings by this Commission and then only upon the expiration of 60 days from time of said notification.

8. The question of open or closed shop shall not be passed upon by this Commission except by specific request of both disputants, in writing, and in the vote on this question by this Commission, the vote of each individual member of the Commission shall be recorded by the secretary.

9. In case of a tie vote on a question of decision and which develops into a deadlock, it shall be broken by the selection, by the representatives of labor, of one man and a like selection by the representatives of the employers. The two men so selected shall select a third man and these three shall sit with this Commission in a re-hearing of the case upon which the deadlock occurred. Or, if it can be done amicably, this Commission as a whole shall select one man who shall sit with it in a rehearing of the case upon which the deadlock occurred.

10. Any necessary expense incurred by this Commission in a thorough investigation of the questions submitted shall be borne by both parties to the controversy, equally, or by the Salem Commercial Club.

11. The testimony of any witnesses or the vote of any member of this Commission, in any investigation, shall not be made public by any member of this Commission but shall be held inviolate unless consent of the witnesses is had for publication.

12. No differences shall be arbitrated where a strike or shut-out is in effect except where the offending party withdraws the shut-out or strike and resumes operations as previous to the occurrence of the difference which this board is asked to arbitrate, with the express understanding that the decision shall be retroactive.

13. That no one involved in a matter of dispute should be required to sit on the Commission, nor should anyone having an interest in the matter to be arbitrated be required to sit on the Commission.

#### REPORT

At a meeting of the Salem Industrial Welfare Commission held September 15, 1919, an award was made in the case of arbitration between the Capital Typographical Union, the Salem Printing Pressman's Union and the publishers of the Salem Statesman and the Salem Capital Journal.

The award was that the minimum compensation for all journeymen members of Capital Typographical Union No. 210 to \$6.00 for day work and \$6.50 per day for night work. Day work to be between 8 o'clock a. m. and 5 o'clock p. m., and night work between 5 o'clock p. m. and 8 o'clock a. m.

The same award placed the minimum compensation for all journeymen members of the Salem Printing Pressmen and Assistants' Union at \$6.00 for day work and \$6.50 for night work. The award for cylinder feeders was \$4.68 for day work and \$5.18 for night work. Platen feeders were given \$3.60 per day for day work and \$4.10 for night work. The Commission agreed that no additional compensation should be given foreman of the pressroom by virtue of his position as foreman.

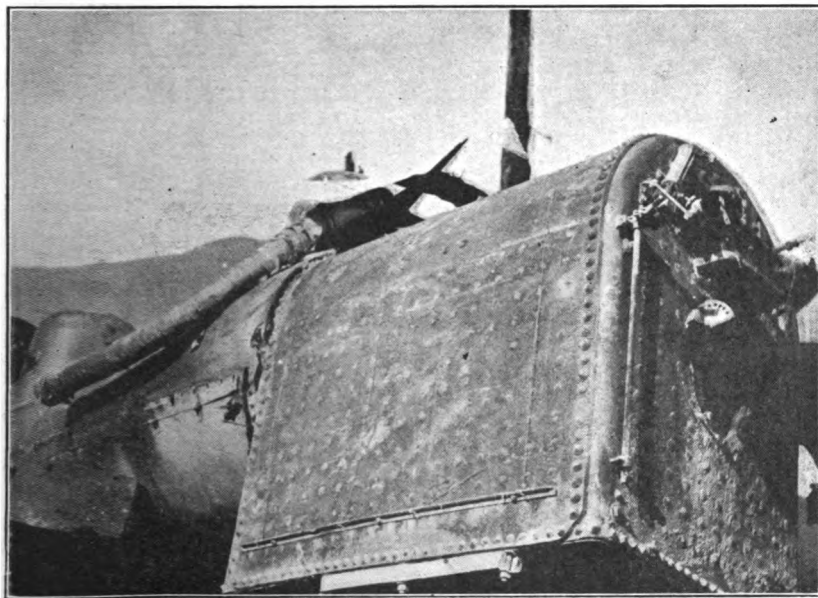
During the Spring of 1919, Mr. Spaulding of the Spaulding Logging Company, called on the board for advice. All difficulties were settled without calling in the Board of Arbitration to act.

A number of other cases were settled by the advice of the Commission without going into official arbitration, due, it is thought, to the fact that the Commission was organized to arbitrate matters at any time.

At a meeting of the Salem Industrial Welfare Commission held September 14, 1920, an award was made in the case of the Salem Printing Pressmen and Assistants' Union No. 247 and the publishers of the Oregon Statesman and the Capital Journal. The findings were that the minimum compensation for all journeymen members of Salem Printing Pressmen and Assistants' Union 247 should be \$39.00 per 44-hour week for day work. Cylinder assistants to receive \$31.50 for a week of 44 hours, and platen assistants \$24.00 for a week of 44 hours, day work to mean between 8 o'clock a. m. and 5 o'clock p. m. and night work between 5 o'clock p. m. and 8 o'clock a. m., 50 cents additional per shift to be paid members on the night shift.

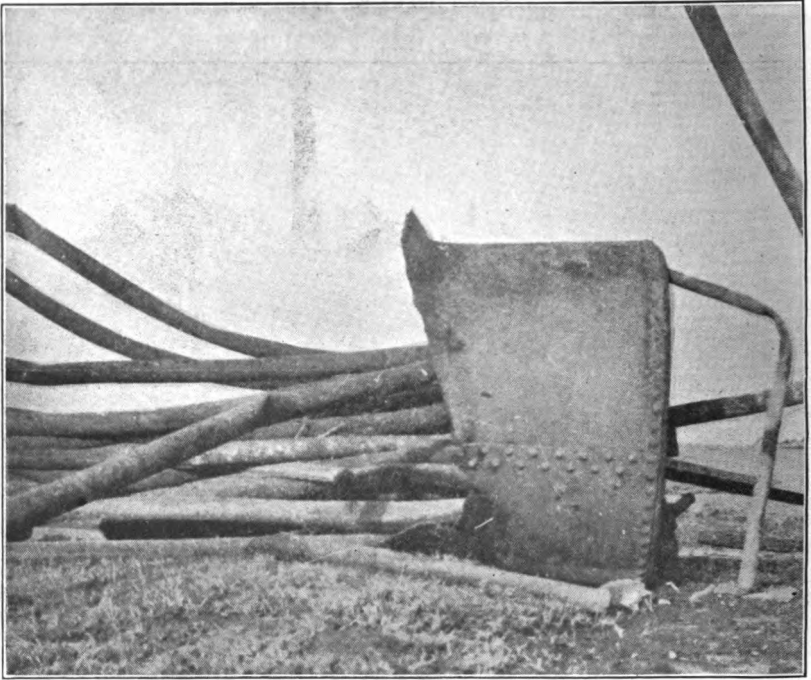
L. J. SIMERAL, President,  
PAUL B. WALLACE, Secretary.

**BOILER EXPLOSIONS OCCURRING IN OREGON SINCE  
SEPTEMBER, 1919**



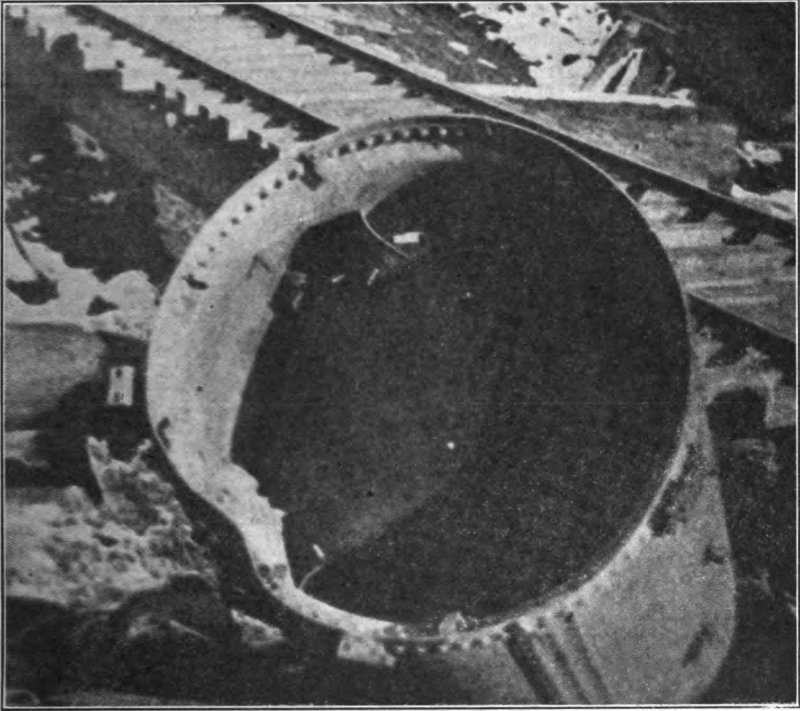
(No. 1)

**Photograph of a locomotive boiler used in the logging industry. This boiler was thrown 300 feet from track. Three men killed. Occurred since last regular session of the Legislature.**



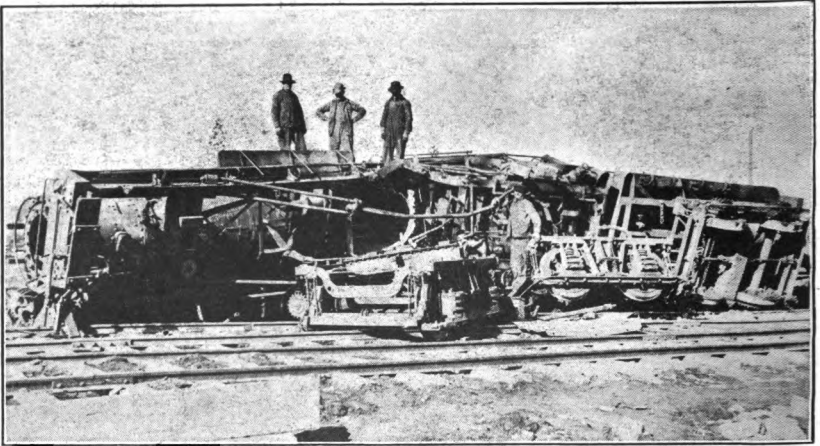
(No. 2)

Photograph of a stationary boiler used in a sawmill. Explosion killed three persons. The piece shown in picture was thrown 160 feet from its setting. Occurred since last regular session of the Legislature.



(No. 3)

Photograph of a donkey boiler used in the logging industry. Two men severely injured. One maimed for life by loss of arm. Occurred since last regular session of the Legislature.



(No. 4)

Photograph of locomotive used in logging. This boiler exploded, turning locomotive over on its side. No one seriously hurt. Occurred since last regular session of the Legislature.

Two other serious explosions occurred of which we have no photographs. One was a boiler explosion in an office building in which three men were killed. The other was the bursting of the main steam pipe from boiler to engine in a sawmill, which killed one man.

Total casualties in the last two years on account of defective boilers and fittings: Ten killed and two seriously injured.

## INDUSTRIAL DIRECTORY

This directory comprises a fairly accurate list of manufacturers in Oregon. The first listing has been made in alphabetical order, and the second by commodities.

## MANUFACTURERS IN OREGON

- Aagard Lumber Co., Glenwood—Lumber  
 Aason, John, Coquille—Lumber  
 Ackley Bros., Klamath Falls—Lumber  
 Acme Cement Plaster Co., Gypsum—Cement Products  
 Acme Fixture Co., 311 N. 16th, Portland—Cabinets and Fixtures  
 Acme Flavoring Co., 388 E. Stark, Portland—Extracts  
 Acme Planing Mill, Bandon—Lumber and Boxes  
 Adams Bros. Lumber Co., Elgin—Lumber and Boxes  
 Adams Garment Mfg. Co., 234 2nd, Portland—Garments  
 Addison Bros., Lorane—Lumber  
 Advance Mfg. Co., St. Johns Station, Portland—Crates  
 Agren & Lickentritt, Olney—Lumber  
 Ainge & Co., Peter, 29th & Nicolai, Portland—Electric Fixtures  
 Aladdin & Co., North Portland—Lumber and Portable Buildings  
 Albany Box Factory, Albany—Boxes  
 Albany Brick & Tile Co., Albany—Brick and Tile  
 Albany Creamery Ass'n., Albany—Creamery  
 Albany Fruit Juice Co., Albany—Beverages  
 Albany Furniture Mfg. Co., Albany—Furniture  
 Albany Hardwood Mill, Albany—Lbr  
 Albany Ice Co., Albany—Ice  
 Albany Iron Works, Albany—Foundry  
 Albany Lumber Co., Albany—Lumber  
 Albany Mill & Elevator Co., Tangent—Feed  
 Albany Planing Mill, Albany—Lumber, Sash and Door  
 Albany Pure Milk & Cheese Co., Albany—Cheese  
 Albany Sand & Gravel Co., Albany—Cement Products  
 Albany Tannery Co., Albany—Tannery  
 Albatross Vault & Metal Works, 1715 Thurman, Portland—Metal Furniture and Fixtures  
 Albers Bros. Milling Co., N. Front & Pettygrove, Portland—Feed and Cereals  
 Albina Dressed Beef Co., 514 Williams Ave., Portland—Meat Packing  
 Albina Engine Machine Works, 28 Albina Ave., Portland—Castings, Brass, Iron and Steel  
 Alco Wood Products Co., Albany—Silos and Lumber  
 Alco Wood Products Co., Anlauf—Lbr  
 Alder Sheet Metal Works, 550 Washington, Portland—Sheet Metal  
 Alder Vale Creamery, Nehalem—Cheese  
 Algoma Lumber Co., Algoma—Lumber and Boxes  
 Allen Bros. & Lodgson, Noti—Lbr  
 Allen-Hendrickson Packing Co., Rainier—Canned Fruit, Vegetables and Fish  
 Allen & Lewis, 49 N Front, Portland—Coffee, Spice and Extracts  
 Allen-Wilden Bedding Co., 374 E Washington, Portland—Mattresses  
 Alley Lumber Co., Bay City—Lumber  
 Alnutt Cigar Factory, Ashland—Cigars  
 Alsea Creamery Co., Alsea—Creamery  
 Alsea Fishermen's Canning Ass'n., Waldport—Fish Cannery  
 Alsea Lumber Co., Alsea—Lumber  
 Alsea River Lumber Co., Alpine—Lbr  
 Alsea Shingle Co., Waldport—Shingles  
 Alsleban, Adolph, Timber—Lumber  
 Altree, O. R., Toledo—Lumber  
 American Bakery, 483 Williams Ave., Portland—Bakery  
 American Bakery, Bend—Bakery  
 American Box & Crate Mfg. Co., 1050 Nicolai, Portland—Crates & Boxes  
 American Bronze & Brass Foundry, 659 Upshur, Portland—Foundry  
 American Brush Mfg. Co., 369 E Washington, Portland—Brooms and Brushes  
 American Can Co., N Front & 14th, Portland—Cans  
 American Marine Iron Works, Ft of N Richmond, Portland—Foundry  
 American Minerals Producing Co., Vale—Fertilizers  
 American Soda Works, 227 Larrabee, Portland—Beverages  
 American Type Founders Co., 47 4th Portland—Printing Supplies  
 Ames-Harris-Neville Co., 522 Hoyt, Portland—Bags and Burlap  
 Amity Cheese Factory, Amity—Cheese  
 Amity Seed & Grain Co., Amity—Feed  
 Anderson Burgess Lumber Co., Eugene—Lumber  
 Anderson & Burns Lumber Co., Summerville—Lumber  
 Anderson Printing Co., 73½ Ash, Portland—Printing and Bookbinding  
 Anderson Sawmill, Willamina—Lbr  
 Anderson & Woodcock, Kerby—Lbr  
 Ankeny Lumber Co., Scotts Mills—Lbr  
 Ansley Printing Co., 252 Washington, Portland—Printing and Bookbinding  
 Ansmith Preserving Co., Portland—Jams and Jellies  
 Antone Sawmill, Antone—Lumber  
 Apex Lumber Co., Selma—Lumber  
 Apple Growers Ass'n., Hood River—Ice  
 Applegate Lumber Co., Medford—Lbr  
 Arago Brick & Tile Co., Arago—Brick and Tile  
 Arago Co-Operative Cheese Factory, Arago—Cheese  
 Arcady Press, 222 Stark, Portland—Printing and Bookbinding  
 Arlington Light & Water Plant, Arlington—Electricity  
 Arrow Cement Laundry Tray Co., 695 E 8th, Portland—Cement Products

## MANUFACTURERS IN OREGON—Continued

- Art Embroidery & Button Co., Morgan Bldg., Portland—Ladies' Garments  
 Arvidson, T. P., Hereford—Lumber  
 Ashbaugh's Mill, Fred, Hardman—Lumber  
 Ashland Creamery, Ashland—Creamery  
 Ashland Ice & Storage Co., Ashland—Ice  
 Ashland Iron Works, Ashland—Foundry  
 Ashland Mills, Ashland—Flour  
 Ashland Preserving Co., Ashland—Canned Fruit and Vegetables  
 Aspinwall, Ray, Brooks—Lumber  
 Associated Engineering Corporation, 902 Spalding Bldg., Portland—Sheet Metal  
 Astoria Box Co., Astoria—Lbr & Boxes  
 Astoria Budget Publishing Co., Astoria—Printing and Bookbinding  
 Astoria Flouring Mills Co., Astoria—Flour and Feed  
 Astoria Lumber Co., Astoria—Lumber  
 Astoria Marine Iron Works, Astoria—Foundry  
 Astoria-Warrenton Planing Mill, Warrenton—Lumber, Sash and Doors  
 Athena Chop Mill, Athena—Feed  
 Atkins & Co., E. C., 75 1st, Portland—Saws  
 Atlas Bakery, McMinnville—Bakery  
 Atwood Lee Co., Wasco—Electricity  
 Aumsville Flouring Mill, Aumsville—Flour  
 Austin Sheet Metal Works, 387 E Alder, Portland—Sheet Metal  
 Auterson-Bradley Co, 149½ 1st, Portland—Printing and Bookbinding  
 Auto Boat Mfg. Co., 266 Hawthorne, Portland—Boats  
 Automatic Electric Brake Co., 84 Union Ave., Portland—Automatic Brakes  
 Automatic Mfg Co., E 7th & Hancock Portland—Button Attaching Machines  
 Auto Top Co., 431 Burnside, Portland—Auto Tops  
 B. J. & S. Pattern Shop, 383 E Washington, Portland—Patterns  
 B. M. C. & N. Lumber Co., 50th & Powell Valley Road, Portland—Portable Building  
 Babcock Co., C. A., Railroad & Clark, Portland—Feed  
 Baby Boudoir, The, 388 Morrison, Portland—Children's Garments  
 Baby Kor-al Co., Portland—Baby Corals  
 Bagley Canning Co., Talent—Cider, Fruit and Vegetables  
 Bailey Cabinet Shop, N. J., St. Johns Sta., Portland—Cabinets and Fixtures  
 Bailey & Dempsey, 227½ Stark, Portland—Printing and Bookbinding  
 Bailey Lumber Co., Oregon City—Lumber  
 Baird Bros. Lumber Co., Umpqua—Lumber  
 Bake-Rite Bakery, 251 Yamhill, Portland—Bakery  
 Bake-Rite Sanitary Bread Co., 457 State, Salem—Bakery  
 Baker City Packing Co., Baker—Canned Fruit and Vegetables  
 Baker Mill & Grain Co., Baker—Flour and Feed  
 Baker Sales Mfg. Co., 263 16th, Portland—Electric Fixtures  
 Baker White Pine Lumber Co., Baker—Lumber, Boxes and Lath  
 Bakers Bakery, Baker—Bakery and Candy  
 Ball Mfg. Co., 4th & Couch, Portland—Ladies' and Children's Garments  
 Ball Waist Co., W. J., Royal Bldg., Portland—  
 Baltes & Co., F. W., First & Oak, Portland—Printing and Bookbinding  
 Bandon Cheese Co., Bandon—Cheese  
 Bandon Power Co., Bandon—Electricity  
 Banner Creamery, Mohler—Cheese  
 Banner-Courier, Oregon City—Printing and Bookbinding  
 Barbey Packing Co., Hammond—Canned Fish  
 Bardell Lumber & Box Co., Milton—Boxes  
 Barham Bros., Siskiyou—Lumber and Boxes  
 Barker Bread Co., 245 E 21st, North Portland—Bakery  
 Barkus & Son, E. T., 87 S. Commercial, Salem—Feed  
 Barnes-Lindsley Mfg. Co. E. St. Johns, Portland, Box 274—Cross Arms  
 Barrett & Ice, Fremont—Lumber  
 Bates, F. W., Eagle Creek—Lumber  
 Bay Park Lumber Co., North Bend—Lumber  
 Bayer, J. C., 204 Market, Portland—Sheet Metal  
 Bayles & Son, Geo. J., Dallas, R 2.—Lumber  
 Beach Creek Sawmill, Beach Creek—Lumber  
 Beals, Fred R., Tillamook—Lumber  
 Bear Valley Sawmill, Mt. Vernon—Lumber  
 Beaver Creamery Ass'n., Beaver—Cheese  
 Beaver Engraving Co., 148 5th, Portland—Advertising Cuts, Half Tones, etc.  
 Beaver Falls Shingle & Lumber Co., Mayger—Shingles  
 Beaver Glove Mfg. Co., 31 N. 5th, Portland—Gloves and Mittens  
 Beaver Lumber Co., Prescott—Lumber  
 Beaver Portland Cement Co., Gold Hill—Cement  
 Beaver State Motor Co., Gresham—Foundry  
 Beaverton Planing Mill, Beaverton—Lumber  
 Beede, Roy, Comstock—Lumber  
 Begman's Sawmill, Medical Springs—Lumber  
 Beidler's Mill, Lostine—Lumber  
 Bellview Sawmill, Granite—Lumber  
 Belt, Robertson & Belt, Yamhill—Lumber  
 Bend Brick & Lumber Co., Bend—Brick and Tile  
 Bend Flour Mill Co., Bend—Flour and Feed  
 Bend Iron Works, Bend—Foundry and Wood Patterns  
 Bend Juniper Products Co., Bend—Slate Pencils

## MANUFACTURERS IN OREGON—Continued

- Bend Water Light & Power Co., Bend  
 —Electricity  
 Bennett Lumber Co., Halfway—Lbr  
 Bennett Sawmill, M. F. Baker—Lbr  
 Benson, J. J., Dayton—Feed  
 Benton County Courier, Corvallis—  
 Printing and Bookbinding  
 Bergman Commission & Seed Co.,  
 Baker—Feed  
 Bergman & Lurie, Phoenix Bldg.,  
 Portland—Ladies Garments  
 Bergman Shoe Mfg. Co., The, 621  
 Thurman, Portland—Shoes  
 Best, J. W., Corvallis—Lumber  
 Big Basin Lumber Co., Klamath Falls  
 —Lumber and Boxes  
 Big Lakes Box Co., Klamath Falls—  
 Boxes  
 Big Lakes Lumber Co., Klamath Falls  
 Lumber  
 Bigelow-Doane Lumber Co., Nash-  
 ville—Lumber  
 Bilyu & Wallace, Lebanon—Lumber  
 & Tent Pins  
 Binder, Chas., Elkton—Lumber, Flour  
 and Feed  
 Birkenfeld Lumber Co., Birkenfeld—  
 Lumber  
 Bittner & Boylan, Estacada—Shin-  
 gles  
 Bittner Plug & Lumber Co., Bull Run  
 —Lumber and Wood Plugs  
 Bjorks Printery, 317 Russell, Portland  
 —Printing and Bookbinding  
 Blackburn, H. J., 1400 Macadam,  
 Portland—Cement Brick  
 Blaesing Granite Co., 267 3rd, Port-  
 land—Granite and Marble  
 Blaine Creamery Co., Blaine—Cheese  
 Blair Granite Quarry, Ashland—Gran-  
 ite  
 Blakey & Water, Silverton—Lumber  
 Blodgett & Olmstead, Summit—Lbr  
 Blue Mt. Creamery Co., La Grande—  
 Creamery  
 Blumh & Moehnke, Hoff—Lumber  
 Blumauer-Frank Drug Co., 355 Ever-  
 ett, Portland—Mfg Chemists  
 Blydenstein & Co., Pendleton—Flour  
 and Feed  
 Bohemia Cheese Factory, Templeton  
 —Cheese  
 Bohemia Lumber Co., Dorena—Lbr  
 Bolter Henneman Lumber Co., Hub-  
 bard—Lumber  
 Bond & Bates, Myrtle Creek—Lbr  
 Bonney, W. H., Oregon City—Lumber  
 Bonney Lumber Co., L. S., Lebanon—  
 Lumber  
 Booth Fisheries Co., Astoria—Fish  
 Cannery  
 Booth Kelly Lumber Co., Eugene—Lbr  
 Booth Shingle Co., Coquille—Shingles  
 Borkgren's Mill, Cove—Lbr and Boxes  
 Borland & Thomas, Grants Pass—  
 Lumber  
 Boston Packing Co., 1-17 2nd, Portland  
 —Sausage and Meat Packing  
 Boughey Lumber Co., Wren—Lumber  
 Boyd Roller Mills, Boyd—Flour  
 Boyer Hay & Grain Co., Sam, Harris-  
 burg—Feed  
 Boyer Printing Co., 85½ Fifth, Port-  
 land—Printing and Bookbinding  
 Bradley Pie Bakery, 64 Grand Ave.,  
 Portland—Bakery  
 Bradner Co., Independence—Creamery
- Braggs, Geo., Junction City, R. 3—  
 Lumber  
 Brand & Johnson, Rainier—Shingles  
 and Lumber  
 Brandes Creamery, 127 First, Portland  
 —Creamery  
 Brandon Bros. Flour Mill, Eagle Point  
 —Flour and Feed  
 Brasfield, Sam, Siletz—Shingles  
 Braun Bros., Buxton—Lumber  
 Breck Fruit Juice Co., Portland—Bev-  
 erages  
 Bredemeier, Ed., Gaston, R. 1—Lbr  
 Brewer, John H., Silverton, R. 3—Lbr  
 Brewster Valley Creamery, Sitkum—  
 Creamery  
 Brey, Geo. E., Independence—Feed  
 Bridal Veil Lumber Co., Bridal Veil—  
 Lumber and Boxes  
 Briggs Auto Wood Saw Co., 281 Haw-  
 thorne Ave., Portland—Auto Saws  
 Briggs Lumber Co., Walker—Lumber  
 Brighton Mills Co., Brighton—Lum-  
 ber and Lath  
 Brightwood Lumber Co., Cherryville  
 —Lumber  
 Broadbent Cheese Co., Broadbent—  
 Cheese  
 Brock & Co., Waterloo, R. 1—Lumber  
 Broderick Co., The, 170 Park, Portland  
 —Advertising Novelties  
 Bronson, Geo. H., Monmouth, R. 1—  
 Lumber  
 Brooks & McMillan, Waldport—  
 Shingles  
 Brooks-Scanlon Lumber Co., Bend—  
 Lumber and Boxes  
 Brown, A. D., Falls City—Lumber  
 Browne & Co., H. C., 373 Yamhill,  
 Portland—Printing and Bookbind-  
 ing  
 Brown-Petzel Lumber Co., Stayton—  
 Lumber  
 Brown's Sawmill, Unity—Lumber  
 Brownsville Canning Co., Corvallis—  
 Canned Fruit and Vegetables, Pre-  
 serves, Jams and Jellies  
 Brownsville Creamery, Brownsville—  
 Creamery  
 Brownsville Flour Mill, Brownsville—  
 Flour  
 Brownsville Woolen Mills, 3rd & Mor-  
 rison, Portland—Garments and  
 Woolen Goods  
 Brun's Lumber Co., Sandy—Lumber  
 Bryant Mountain Sawmill, Malin—  
 Lumber  
 Buchanan & Co., C. E., Hillsboro—  
 Flour and Feed  
 Buchanan Lumber Co., Halfway—  
 Lumber  
 Buck Box & Crate Co., Eugene—Boxes  
 Buck, W. R., Reedsport—Boxes and  
 Lath  
 Buckner Timber Co., Oregon City—  
 Lumber  
 Buckner, W. L., 404 Davis, Portland  
 —Cabinets and Fixtures  
 Buehner Lumber Co., North Bend—  
 Lumber  
 Buell Mill Co., Falls City—Lumber  
 Builders Supply Co., Corvallis—Ce-  
 ment Products  
 Burke Fish Co., N. Front & Overton,  
 Portland—Fish Packing  
 Burlingham, E. F., Forest Grove—  
 Feed

## MANUFACTURERS IN OREGON—Continued

Burlington Mill Co., Linnton Sta., Portland—Lumber  
 Burness & Martin, 501 Alder, Portland—Auto Fenders and Radiators  
 Burns Flour Milling Co., Burns—Flour and Feed  
 Burns Mfg. Co., 6825 Foster Road, Portland—Saws  
 Burness Auto & Body Works, 128 Everett, Portland—Sheet Metal  
 Burnt River Co-Operative Creamery Co., Unity—Creamery  
 Burroughs Co., B. L., Pendleton—Lumber  
 Bushong & Co., 91 Park, Portland—Printing and Bookbinding  
 Busser Mill, Elgin—Lumber  
 Busy Bee Shingle Co., Mapleton—Shingles  
 Butt & Douglas, St. Johns Sta., Portland—Shingles  
 Butte Creek Lumber Co., Scotts Mills—Lumber  
 Butte Falls Lumber Co., Butte Falls—Lumber

C. & O. Lumber Co., Brookings—Lbr Cabinet & Box Factory, Albany—Boxes  
 Cadwalder & Bros., S. W., Blodgett—Lumber  
 California Barrel Co., Milwaukie—Barrels and Casks  
 California Ink Co., 41 1st, Portland—Printing Supplies  
 California Oregon Power Co., Medford—Electricity  
 California Plating Works, 212 2nd, Portland—Plating  
 California Rex Spray Co., Medford—Sprays  
 Callahan & Son, J. C., Cove Orchard—Lumber  
 Camas Lumber Co., Lakeview—Lumber and Shingles  
 Cameron-Hogg Lumber Co., Bull Run—Lumber  
 Cameron Lumber Co., Albany—Lbr.  
 Cameron Oregon Silo Mfg. Co., Albany—Silos  
 Camp Creek Sawmill, Ironsides—Lbr.  
 Canaday, W. R., Crow—Lumber  
 Canby Co-Operative Cheese & Produce Co., Canby—Cheese  
 Canyon Lumber Co., La Grande, R. 2—Lumber  
 Cape Blanco Creamery, Denmark—Creamery  
 Capital City Co-Operative Creamery, 137 S. Commercial, Salem—Creamery  
 Capital Soap Works, Salem—Soap and Tannery  
 Carlton Consolidated Lumber Co., Carlton—Lumber  
 Carlton Elevator & Mill Corporation, Carlton—Feed  
 Carmen Mfg. Co., 1214 Macadam, Portland—Lumber, Furniture and Mattresses  
 Carnation Milk Produce Co., Forest Grove—Milk Condenser  
 Carnation Milling Co., Forest Grove—Flour and Feed  
 Carpenter Lumber Co., Geo. W., Elmira—Lumber  
 Carpenter & Moyer, Saginaw—Lbr

Carrell & Mayran, Hermiston—Cabinets and Fixtures  
 Carson, J. C., Yachats—Lumber  
 Carson Flouring Mills, Carson—Flour and Feed  
 Carter Bros., Hemlock—Lumber  
 Cascade Flour Mill, Foster—Flour and Feed  
 Cascade Mill Co., Foster—Lumber  
 Casey Lumber Co. The, Meacham—Lumber and Boxes  
 Cash Grain Co., Ontario—Feed  
 Cassidy Mfg. Co., 130 Union Ave., Portland—Plating  
 Cathcart, W. J., Alsea—Shingles  
 Cedar Creek Lumber Co., Linnton Sta. Portland—Lumber  
 Celro-Kola Co., 105 12th, Portland—Extracts  
 Central Clay Products Co., Monmouth—Brick  
 Central Door & Lumber Co., 13th & Glisan, Portland—Wall Boards, Sash and Doors, Glass, Art, Mirrors and Ornamental Works.  
 Central Oregon Farmers Creamery, Bend—Creamery  
 Central Planing Mill, Corvallis—Lbr.  
 Central Point Mill, Central Point—Flour  
 Chamberlain, M. A., Junction City—Lumber  
 Chambers, J. H., Cottage Grove—Lbr  
 Champion Mfg. Co., E 27th & Morgan, Portland—Woodenware and Baskets  
 Chandler & Son, Astoria—Canned Fruit and Vegetables  
 Chapman Mill, Fossil—Lumber  
 Chapman, F. M., Divide—Lumber  
 Chausse-Prudhomme Co., 306 Davis, Portland—Printing and Bookbinding  
 Chehalem Valley Mills, Newberg—Flour and Feed  
 Cherry City Baking Co., Salem—Bakery  
 Cherry City Flouring Mill, Salem—Flour  
 Cherry Grove Shingle Co., Cherry Grove—Shingles  
 Chesley Lumber Co., Toledo—Lumber  
 Chiloquin Lumber Co., Chiloquin—Lumber  
 Christensen & Bridges, Sitkum—Lbr  
 Christy Bros., Klamath Falls—Lbr  
 Chronicle Publishing Co., The Dalles—Printing and Bookbinding  
 City Bakery, Vale—Bread and Bakery Goods  
 City Chop Mill, Adams—Feed  
 City Dairy, 553 2nd., Portland—Creamery  
 City Iron Works, 107 N. 2nd., Portland—Ornamental Iron and Wire  
 City Meat Market, Pendleton—Sausage  
 Clark, H. B., 1 Union Ave., Portland—Paper Boxes  
 Clark Lumber Co., Millwood—Lbr  
 Clark & Son, W. M., Summit—Lbr  
 Clark & Wilson Lumber Co., Linnton Station, Portland—Lumber  
 Clark Saddlery Co., John, 104 Front, Portland—Harness and Collars  
 Clarke-Woodward Drug Co., Wood-Lark Bldg., Portland—Mfg. Chem-ists

## MANUFACTURERS IN OREGON—Continued

- Clatskanie Co-Operative Creamery Co.  
Clatskanie—Cheese
- Clatsop County Lumber Co., Astoria  
—Lumber and Lath
- Clear Creek Creamery Co., Oregon City  
—Creamery
- Clear Creek Lumber Co., Estacada—  
Lumber
- Cleveland, S. C., Falls City—Lumber
- Climax Lumber & Mfg. Co., Blodgett  
Lumber
- Clossett & Co., 128 N. 12th, Portland  
—Coffee, Spice and Extracts
- Closset & Devers, 1-3 N. Front, Port-  
land—Coffee, Spice and Extracts
- Cloverdale Cheese Co., Cloverdale—  
Cheese
- Cloverland Creamery, 213 W. Burling-  
ton, Portland—Creamery
- Cloverleaf Creamery Co., Bay City—  
Cheese
- Coast Chemical Co., 294 3rd, Portland  
—Soap
- Coast Culvert & Flume Co., Columbia  
Blvd. and Derby, Portland—Flumes  
and Culverts
- Coast Engine & Machine Works, Ft of  
E. Taylor, Portland—Patterns
- Coast Power Co., Tillamook—Elec-  
tricity
- Coast Range Lumber Co., Mabel—Lbr
- Coast Steel & Machinery Co., 50 1st,  
Portland—Air Compressors
- Coates Lumber Co., A. F., Tillamook  
—Lumber and Shingles
- Cochran Cider Mill, 1108 Hawthorne  
Portland—Cider
- Coffer Bros., Klamath Falls—Brick  
and Tile
- Cogan & Son, S. R., Cornelius—Lbr.
- Coin Machine Mfg. Co., 984 E. 17th,  
Portland—Die Stamping
- Cold Springs Cheese Factory, Clover-  
dale—Cheese
- Cold Storage Co., Grants Pass—Ice
- Cole, James, Summit—Lumber
- Cole, N. E., Aurora—Lumber
- Collard, W. P., Gervais—Lumber
- Collins Flour Mill, Pendleton—Flour
- Colombo Italian Paste Co., Portland  
—Paste Products
- Columbia Awning & Shade Co., 188  
2nd, Portland—Awnings and Tents
- Columbia Brick Works, 277 Haw-  
thorne, Portland—Brick and Tile
- Columbia City Furniture Factory,  
Columbia City—Lumber and Furni-  
ture
- Columbia County Lumber Co., St.  
Helens—Lumber
- Columbia Delta Cheese Co., Clatskanie  
—Cheese
- Columbia Elevator Co., 254 E. 6th,  
Portland—Elevators
- Columbia Fixture Furniture Co., 421  
E. Morrison, Portland—Cabinets  
and Fixtures
- Columbia Lumber Co., The Dalles—  
Lumber
- Columbia Macaroni Co., 270 1st,  
Portland—Macaroni
- Columbia Milling Co., E. 2nd & Mar-  
ket, Portland—Flour and Cereals
- Columbia Mills Inc., The Royal Bldg.,  
Portland—Window Shades
- Columbia Paper Box Co., 212 E 25th  
N., Portland—Paper Boxes
- Columbia Printing Co., 420 Morrison,  
Portland—Printing and Bookbind-  
ing
- Columbia River Canning & Produce  
Co., St. Helens—Canned Fruit and  
Vegetables
- Columbia River Fish Co., Astoria—  
Fish Cannery
- Columbia River Light & Power Co.,  
Cascade Locks—Lumber and Elec-  
tricity
- Columbia River Packers Ass'n., Asto-  
ria—Cans and Fish Cannery
- Columbia Steel Co. of Nevada, 10th &  
Johnson, Portland—Foundry
- Columbia Strop & Belt Works, Port-  
land—Men's Belts
- Columbia Wire & Iron Works, E. 8th  
& Market, Portland—Ornamental  
Iron and Wire
- Commercial Cider Works, Salem—  
Cider & Vinegar
- Commercial Creamery Co., Haines—  
Cheese
- Commercial Iron Works, E. 7th &  
Madison, Portland—Foundry
- Compton & Frohnhofner Mill, Grizzly  
—Lumber
- Comstock, Brown & Alm, Silverton—  
Lumber
- Concrete Pipe Co., 410 River, Portland  
—Concrete Blocks and Tile
- Concrete Pipe Co., Ontario—Concrete  
Blocks and Tile
- Condon Milling Co., Condon—Flour
- Cone Lumber Co., Fossil—Lumber
- Conner & Co., 841 Macadam, Portland  
—Syrup
- Consolidated Lumber Co., Gales  
Creek—Lumber
- Continental Pipe Mfg. Co., Kenton  
Station, Portland—Wood Pipes
- Coon Creek Sawmill, Grizzly—Lbr.
- Coos Bay Iron Works, Marshfield—  
Foundry
- Coos Bay Lumber Co., Marshfield—  
Electricity, Lumber, Lath and  
Shingles
- Coos Bay Mattress Co., Marshfield—  
Auto Tops and Mattresses
- Coos Bay Mutual Creamery, Marsh-  
field—Cheese
- Coos Canning Co., Coos Bay—Canned  
Fruit and Vegetables
- Coos Veneer & Box Co., Marshfield—  
Veneer and Boxes
- Coquille Cannery Co., Parkersburg—  
Canned Fish
- Coquille Ice Plant, Coquille—Ice
- Coquille Lumber Co., Coquille—Lbr
- Coquille Valley Creamery Co., Coquille  
—Creamery
- Corner & Gilman, Grants Pass—Lbr
- Cornett Mason Lumber Co., Grizzly—  
Lumber
- Corvallis Brick & Tile Works, Corval-  
lis—Brick and Tile
- Corvallis Creamery Co., Corvallis—  
Creamery
- Corvallis Lumber Mfg. Co., Corvallis  
—Lumber and Boxes
- Corvallis Soda Works, Corvallis—  
Beverages
- Cotes Sawmill, P. Joseph—Lumber
- Cottage Grove Cannery, Cottage  
Grove—Canned Fruit and Vege-  
tables

## MANUFACTURERS IN OREGON—Continued

- Cottage Grove Creamery, Cottage Grove—Creamery  
 Cottage Grove Flour Mills, Cottage Grove—Flour and Feed  
 Cottage Grove Mfg. Co., Cottage Grove—Lumber  
 Cougle, R. M., Williams—Lumber and Shingles  
 Counts, W. P., Grants Pass—Lumber  
 Covey Motor Car Co., Washington and 21st, Portland—Auto Locks  
 Cox Mill, Geo. W., Bandon—Lumber  
 Coy Planing Mill, Dallas—Lumber  
 Cram Bros., Noti—Lumber  
 Crandall Bros., Lebanon—Lumber  
 Crane Co., W. B. E. 8th & Oak, Portland—Coffee, Spice and Extracts  
 Crawford & Doherty Foundry Co., 934 E. 17th, Portland—Foundry  
 Craycraft & Morgan, Rainier—Lumber  
 Cremona Phonograph Co., 351-444 E. 10th, Portland—Phonographs  
 Critchlow's Sawmill, Durkee—Lbr  
 Cronan Co., John E., 500 E. Lincoln, Portland—Phonographs  
 Cronin Co., The P. J., 129 1st, Portland—Saddlery, Harness and Collars  
 Crosby Candy Co., 224 Crosby, Portland—Candy  
 Crossett Western Lumber Co., Wauna—Lumber  
 Crowe, E. R., Lorane—Lumber  
 Crown Mills, N. Front & Quimby, Portland—Cereals, Flour and Feed  
 Crown-Willamette Paper Co., Pittock Block, Portland—Paper  
 Crystal Creamery, Denmark—Cheese  
 Crystal Ice & Cold Storage Co., 432 E. Salmon, Portland—Ice and Creamery  
 Crystal Mattress Works, 1661 E. 17th Portland—Mattresses  
 Culver, James, Bridge—Lumber  
 Cummings Sawmill, Mt. Vernon—Lbr  
 Curry, A. W., 363 E. Morrison, Portland—Sheet Metal  
 Cutler Mfg. Co., 351 E. 10th, Portland—Apple Graders  
 C-W Shoe Mfg. Co., 251 N. 16th, Portland—Shoes
- Daily Bread Bakery, 123 Grand Ave., Portland—Bakery  
 Dallas Canning Co., Dallas—Canned Fruit and Vegetables  
 Dallas Flouring Mills, Dallas—Flour and Feed  
 Dallas Machine & Locomotive Works Dallas—Foundry  
 Dallas Planing Mill, Dallas—Lumber, Sash and Doors  
 Daugherty & Brugman, Albee—Lbr  
 Daugherty Lumber Co., Curtin—Lbr  
 Davidson Bread Co., E. 22nd & Oregon, Portland—Bakery  
 Davis & Holman, Inc., 111 2nd, Portland—Printing and Bookbinding  
 Davis Mill, Union—Lumber  
 Davis-Scott Belting Co., 129 Union Ave. Portland—Belting and Leather  
 Davis & Webber, Alrie—Lumber  
 Dawson Bros., Joseph—Lumber  
 Dayton Box & Lumber Co., Dayton—Lumber and Boxes  
 De Armond Bros., Klamath Falls—Lumber
- Deer Creek Shingle Co., Mist—Shingles  
 Defiance Tea & Coffee Co., 63 Front, Portland—Coffee, Spice and Extracts  
 De Force Oil Works, Astoria—Fish Oil  
 De Wolf, L. G., Canyon City—Lumber  
 Del Norte Mining Co., Takilmo—Lbr  
 Delta Shingle Co., Florence—Shingles  
 Demaris, J. W., Prineville—Lumber  
 Deming Packing Co., R. C., Estacada—Canned Fruit and Vegetables  
 Denmark Cheese Co., Denmark—Cheese  
 Denmark Sawmill, Denmark—Lbr  
 Dennis Lumber Co., Elmira—Lumber  
 Denny-Renton Clay & Coal Co., Sherlock Ave. & 24th, Portland—Brick and Tile  
 Deschutes Ice Co., Bend—Ice  
 Deschutes Lumber Co., Bend—Lbr  
 Deschutes Power Co., Culver—Electricity  
 DeWolf, L. G., Canyon City—Lbr  
 Dew Valley Cheese Factory, Bandon—Cheese  
 Diamond Agate Co., Roseburg—Agate Grinding  
 Diamond Flouring Mills, The Dalles—Flour and Feed  
 Dickenson Co. Inc., Oswego—Canned Fruit and Vegetables  
 Dimick & Falk, Sixes—Lumber  
 Dimm & Sons, Henry Bldg., Portland—Printing and Bookbinding  
 Diston & Sons, Inc., Henry, 91 1st, Portland—Circular Saws  
 Dittmer, Henry, 269 E. 8th, Portland—Cabinets and Fixtures  
 Dixie Lumber Co., Prairie City—Lbr  
 Dix Lumber Co., Mulino—Lumber  
 Dober Bros., Vernonia—Lumber  
 Dobson, Fred, Thomas—Lumber  
 Doernbecker Mfg. Co., E. 28th, Portland—Lumber, Furniture and Veneer  
 Doherty Mill, Pat. Gurdane—Lumber  
 Donald Co-Operative Cheese Factory, Donald—Cheese  
 Dondero, Chas. J., 242 E. 6th, Portland—Cement Products  
 Doran's Sawmill, Flora—Lumber  
 Dorn Lumber Co., Banks—Lumber  
 Doud & Hescok, Promise—Lumber  
 Douglas County Creamery, Roseburg—Creamery  
 Douglas County Flouring Mills, Roseburg—Flour and Feed  
 Douty Lumber Co., Cochran—Lumber  
 Doyle, C. R. Dufur, R. 1, Box 12—Lumber  
 Drain Canning Co., Drain Canned Fruit and Vegetables  
 Drain Lumber Co., Drain—Lumber  
 Drewett's Sawmill, Drewsey—Lbr  
 Dry Creek Lumber Co., Summerville—Lumber  
 Dryburgh Tie & Lumber Co., Coburg—Lumber  
 Dubrulle Top Co., 395 Oak, Portland—Auto Tops  
 Duckett Lumber Co., J. T., Sisters—Lumber  
 Dufur Lumber Co., Dufur—Lumber  
 Duke, J. H., Wilkesboro—Brick and Tile  
 Dunbar Lumber Co., Corvallis—Lbr

## MANUFACTURERS IN OREGON--Continued

- Dunbar & Son, Wolf Creek—Lumber  
Dundee, Fred, Gaston—Lumber  
Dunham Printing Co., 116 2nd, Portland—Printing and Bookbinding  
Dunne, D. M., 611 Roosevelt, Portland—Paints and Oil  
Dupray Lumber Co., Butte Falls—Lumber  
Durable Roofing Mfg. Co., Kenton Station, Portland—Roofing  
Dutton Lumber Co., H. P., Glenada—Lumber  
Dybert & Co., A. J., 231½ Oak, Portland—Printing and Bookbinding
- Eagle Lumber Co., West Timber—Lumber  
Eagle Mills, St. Johns Terminal, Portland—Flour and Feed  
Eagle Valley Cannery Co., New Bridge—Canned Fruit and Vegetables  
Eagles, Wm., Albany—Cigars  
Earnest, W. E., Waldport—Lumber  
East Beaver Cheese Co., Hemlock—Cheese  
East Oregon Lumber Co., Enterprise—Lumber  
East Pine Lumber Co., Halfway—Lumber  
East Side Boiler Works, Ft of E. Main, Portland—Boilers and Steel Tanks  
East Side Box Co., Ft of Spokane Ave., Portland—Lumber and Boxes  
East Side Mill & Lumber Co., Ft of Spokane Ave., Portland—Lumber  
East Side Printing Co., 390 Belmont, Portland—Printing and Bookbinding  
Eastern Novelty Mfg. Co., 85½ 5th, Portland—Neckwear  
Eastern Oregon Light & Power Co., La Grande—Electricity  
Eastern & Western Lumber Co., N. Front & Colton, Portland—Lumber  
Eaton Cement Works, Freewater—Concrete Bridges, Pipe and Tile  
Echo Flour Mills, Echo—Flour and Feed  
Echo Meat Market, Echo—Sausage  
Eccles Lumber Co., W. H., Baker—Lumber and Boxes  
Economy Wire Tie & Mfg. Co., 55 1st, Portland—Box Factory, Specialties  
Edgerton Lumber Co., J. T., Mt. Angel—Lumber  
Edmond's Sawmill, Minam—Lumber  
Edson Mill, Sparta—Lumber  
Edwards, Louis, Norton—Lumber  
Edwards & Co., Dwight, 34 N. Front, Portland—Coffee, Spices and Extracts  
Effenberger Lumber Co., Mohawk—Lumber  
Eggeston & Son, Brownsville—Creamery  
Eighth St. Planing Mill, Eugene—Lbr  
Elam Lumber Co., Elam—Lbr  
Eldridge Dairy Products Co., Medford—Creamery  
Electric Light & Power Co., Burns—Electricity  
Electric Steel Foundry, 22nd & York, Portland—Foundry  
Elgin Flour Mills, Elgin—Flour and Feed  
Elgin Recorder, Elgin—Printing and Bookbinding
- Elk City Lumber Co., Banks—Lumber  
Elk Creek Creamery, Elkton—Creamery  
Elliott, N. D., Salem—Printing and Bookbinding  
Elliott, O. D., Grande Ronde—Lumber  
Elliott & Freeman, Colton—Lumber  
Ellman Hygienic Mattress & Furniture Co., 384 Russell, Portland—Mattresses  
Elmira Lumber Co., Elmira—Lumber  
Elmore Packing Co., Astoria—Canned Fish  
Elson Mfg. Co., 453½ Washington, Portland—Dresses and Skirts  
Elwood Creamery Co., Tillamook—Cheese  
Ely Sawmill, Chas., Gurdane—Lbr  
Embody Aldrich Co., Silver Lake—Lumber  
Emerson Hardwood Co., N. Front & 20th, Portland—Lumber  
Emerwood Panel & Top Factory, 543 E. 14th, Portland—Veneer  
Endrup Mill, Halfway—Lumber  
Engle, G., Cove Orchard—Lumber  
English Co., J. C. 161 Union Ave., Portland—Electric Fixtures  
Enterprise Bottling Works, Enterprise—Beverages  
Enterprise Creamery, Enterprise—Ice and Creamery  
Enterprise Electric Co., Enterprise—Electricity  
Enterprise Mercantile & Mill Co., Enterprise—Flour and Feed  
Enterprise Planing Mill Co., 316 E. Yamhill, Portland—Lumber, Sash and Doors  
Equity Queen Canning Co., Dayton—Canned Fruit and Vegetables  
Ernst Swiss Cheese Co., North Plains—Cheese  
Esbercett Chemical Co., Stock Exch. Bldg., Portland—Mfg. Chemists  
Estacada Feed Co., Estacada—Feed  
Euchre Creek Cheese Factory, Wedderburn—Cheese  
Eugene Bottling Works, Eugene—Beverages  
Eugene Cigar Factory, Eugene—Cigars  
Eugene Concrete Works, Eugene—Cement Products  
Eugene Excelsior Co., Eugene—Excelsior  
•Eugene Farmers Creamery, Eugene—Creamery  
Eugene Fruit Growers Ass'n., Eugene—Vinegar, Fruit and Vegetables, Ice and Ice Cream  
Eugene Guard, Eugene—Printing and Bookbinding  
Eugene Handle Co., Eugene—Handles  
Eugene Mill & Elevator Co., Eugene—Flour and Feed  
Eugene Western Lumber Co., Veneta—Lumber  
Eugene Woolen Mills Co., Eugene—Woolen Goods  
Eureka Flour Mill, Stayton—Flour and Feed  
Evans & Son, A. E., Wren—Lumber  
Evening Democrat, Albany—Printing and Bookbinding  
Evening News Publishing Co., Roseburg—Printing and Bookbinding  
Everett Lumber Co., Willamina—Lbr

## MANUFACTURERS IN OREGON—Continued

- Evergreen Lumber Co., Willamina—Lumber  
 Everson & Parson, Waldport—Shingles  
 Ewauna Box Co., Klamath Falls—Lumber and Boxes  
 Ewing Bros. Sawmill, New Bridge—Lumber  
 Excelsior Mfg. Co., Marshfield—Excelsior  
 Examiner Publishing Co., Lakeview—Printing and Bookbinding  
 Fabric & Welch, Phoenix—Lumber  
 Fairchild Market, 224 Yamhill, Portland—Sausage  
 Fairmont Brick and Tile Co., Monroe—Brick and Tile  
 Fairview Dairy Ass'n., Tillamook—Cheese  
 Falls City Box & Mfg Co., Falls City—Boxes  
 Falls City Electric Light & Power Co., Falls City—Electricity  
 Falls City Lumber & Logging Co., Falls City—Lumber  
 Farmers Creamery Co., Carlton—Creamery  
 Farwest Canning Co., Astoria—Canned Fruit and Vegetables  
 Far West Mfg. Co., Albany—Ladders, Cabinets and Fixtures  
 Featherstone Products Co., Mohler—Canned Fruit and Vegetables and Beverages  
 Federal System of Bakeries, 289 Washington, Portland—Bakery  
 Feenaughty Machinery Co., 309 E. Yamhill, Portland—Flumes and Culverts  
 Fenner Mfg. Co., Ft. of McKenna, Portland—Cabinets and Fixtures  
 Fernwood Dairy, 16th & Union Ave., Portland—Creamery  
 Ferry Mill & Lumber Co., Linnton Station, Portland—Lumber  
 Fiddler, A. A., North Powder—Lbr  
 Fields, Robt. N., Brownsville—Lbr  
 Finke Bros., 183 Madison, Portland—Barrels and Casks  
 Finnigan & Williams, Inc., 311½ Front, Portland—Furnaces  
 Fir Mill & Construction Co., Hood River—Lumber  
 Fisch, N. B., 105 N. 15th, Portland—Sheet Metal  
 Fischer Bros., Lumber Co., Marcola—Lumber  
 Fischer Flouring Mills, Corvallis—Flour and Feed  
 Fish & Doy, Gaston—Lumber  
 Fisher, Chas., Milwaukie—Brick and Tile  
 Fisher Lumber Co., Marcola—Lbr  
 Fisher-Storey Lbr. Co., Toledo—Lbr.  
 Fisher's Sawmill, J. S., Hubbard—Lbr  
 Fitzwater Warehouse & Feed Mill, Lebanon—Feed  
 Five Point Lumber Co., Glendale—Lumber  
 Fleischner-Mayer & Co., 2nd & Couch, Portland—Overalls, Men's Shirts, Ladies and Children's Garments  
 Flook Mill, J. G., Roseburg—Boxes  
 Flook Co., The J. G., Roseburg—Lumber, Sash and Doors  
 Floras Lake Cheese Factory, Langlois—Cheese  
 Florence Canning Co., Florence—Canned Fish  
 Florence Electric Co., Florence—Electricity  
 Fluff Rug Co., Union Ave. and Davis, Portland—Rugs  
 Fluhrer Bros., Mayger—Shingles  
 Flynn & Co., C. I., Baker—Cigars  
 Forest Grove Electric Light Co., Forest Grove—Electricity  
 Forest Grove Fruit Growers' Ass'n., Forest Grove—Canned Fruit and Vegetables  
 Forest Grove Ice & Fuel Co., Forest Grove—Ice  
 Forest Products Sales Co., Warrenton—Lumber  
 Fort Rock Cheese Factory, Fort Rock—Cheese  
 Fort Rock Creamery, Fort Rock—Creamery  
 Foster Lumber Co., S. A., Kings Valley—Lumber  
 Foster Sawmill, F. S., Meda—Lumber  
 Fossil Milling Co., Fossil—Flour and Feed  
 Fox, A. W., Noti—Lumber  
 Fox Valley Co-Operative Creamery Co., Fox—Creamery  
 Franklin Lumber Co., Junction City—Lumber  
 Frazer Mfg. Co., 133 Water, Portland—Cabinets and Furniture  
 Freeland Furniture Co., 970 Macadam, Portland—Furniture  
 Freeman Bros. Bottling Works, 480 Albina Ave., Portland—Beverages  
 Freewater Cannery, Freewater—Vinegar, Canned Fruit and Vegetables  
 French Bakery Co., 507 6th, Portland—Bakery  
 Fry, E. R., Lowell—Lumber  
 Fry, Thos., Sheridan—Boxes  
 Frye & Co., 13th & Hoyt, Portland—Meat Packing  
 Fuller & Co., W. P., Morrison & Front, Portland—Paints and Oil  
 Fulton Park Marble Works, 95 Custer, Portland—Granite and Marble  
 Furuya Co., M., 58 N 4th, Portland—Rice  
 Fyfe-Wilson Lumber Co., Bandon—Lumber  
 G. H. P. Lumber Co., Hillsboro—Lbr  
 Gagnon Lumber & Box Co., Medford—Lumber and Boxes  
 Gamble Lumber Co., Lyons—Lumber  
 Garden Road Co-Operative Cheese Factory, Salem—Cheese  
 Gardner Cigar Co., 209½ Madison, Portland—Cigars  
 Gardner, G., Mountindale—Lumber  
 Gates Mill Co., Gates—Lumber  
 Gaumire, L. D., 468 W. State, Eugene—Lumber  
 Gerber, G. G., 431 Davis, Portland—Auto Truck Bodies  
 Gertulla, S. W., Siletz—Canned Fish  
 Gerlich & Hodrr Lumber Co., Lebanon—Lumber  
 Gerlich Tie & Timber Co., Lebanon—Lumber  
 Getchell, W. A., Enterprise—Lumber  
 Gibbon's Sawmill, Riley—Lumber  
 Giger Bros., Scotts Mills—Lumber  
 Gilkey, H. S., Dorris, Calif.—Lumber  
 Gilkison, J. R., Keating—Lumber

## MANUFACTURERS IN OREGON—Continued

- Gill Co., M. J., 134 Russell, Portland—Sausage  
 Gillin & Chambers Co., 60 N. Front, Portland—Asbestos Products  
 Gimre Planing Mill, Astoria—Lumber  
 Glass & Prudhomme Co., 65 Seventh, Portland—Printing and Bookbinding  
 Gleason Brick Co., Cottage Grove—Brick and Tile  
 Gleason Glove Co., Salem—Gloves and Mittens  
 Gleim & McGrew, Talent—Lumber  
 Glen Oak Lumber Co., Oregon City—Lumber  
 Glenada Mfg. Co., Glenada—Shingles  
 Glendale Lumber Co., Glendale—Lbr  
 Gold Beach Packing Co., Gold Beach—Canned Fish  
 Gold Creek Lumber Co., Willamina—Lumber  
 Gold Medal Shingle Co., Kerry—Shingles  
 Golden Bros., Lumber Co., Cloverdale—Lumber  
 Golden Co., John O., Selling-Hirsch Bldg., Portland—Plating  
 Golden Rod Milling Co., Albina & R. R. Ave., Portland—Cereals  
 Golden West Creamery, 391 E Burnside Portland—Creamery  
 Golden West Suspender Co., Portland—Ladies' and Children's Garments  
 Golden West Creamery, Pendleton—Creamery  
 Gooch Lumber & Shingle Co., Gooch—Lumber  
 Good Brick Yard, H. N. Donald—Brick and Tile  
 Gordan, H. L. Silverton—Lumber  
 Gordon Box Company, Hemlock—Boxes  
 Gotter-Kemper, Inc., Enterprise—Lbr  
 Grande Ronde Lumber Co., Perry—Lumber and Boxes  
 Grande Ronde Meat Co., La Grande—Meat Packing  
 Grandma Cookie Co., 384 E. Stark, Portland—Bakery, Biscuits and Crackers  
 Grants Pass Lumber Co., Wolf Creek—Lumber  
 Grass Valley Light & Pumping Plant  
 Grass Valley—Electricity  
 Gravel Ford Cheese Factory, Gravel Ford—Cheese  
 Graves, Bert, Philomath—Canned Fruit and Vegetables  
 Graves Canning Co., Sheridan—Canned Fruit and Vegetables  
 Gray, McLean & Percy, 113 N. 4th, Portland—Baking Powder, Coffee, Spices, Extracts  
 Great Bend Lumber Co., St. Paul—Lumber  
 Great Northern Casket Co., Macadam & Gains, Portland—Caskets  
 Greener Bros. & Pinkerton, Mountaine—Shingles  
 Gregory, P. M., Salem—Ice Cream  
 Gresham Feed Mill, Gresham—Feed  
 Gresham Home Products Co., Gresham—Feed  
 Gresham Home Products Co., Gresham—Canned Fruit and Vegetables  
 Gresham Outlook, Gresham—Printing and Bookbinding  
 Grisez Lumber Co., Bonanza—Lumber  
 Griswold-Davis Lumber Co., Falls City—Lumber  
 Griswold-Grier Lumber Co., Falls City—Lumber  
 Groner & Rowell Co., Hillsboro, R. 2, —Lumber, Brick and Tile  
 Grove Lumber Co., Cottage Grove—Lumber  
 Growers Packing & Warehouse Co., Klamath Falls—Boxes  
 Guistina Bros., Birkenfeld—Lumber  
 Gunther-King Co., 146 Page, Portland—Sheet Metal  
 Gurien, D., 646 2nd, Portland—Cabinets and Fixtures  
 Hackbarth Mill, Enterprise—Lumber  
 Hackett Lumber Co., Elgin—Lumber  
 Hadden Lumber Co., Manhattan Beach—Lumber  
 Hadley & Bauman, Lorane—Lumber  
 Hadley Bros., Silverton—Lumber  
 Hage's Cider Factory, Mosier—Cider  
 Hagen, A. J., Hood River, R. 2, Box 138—Lumber  
 Haines Feed Mill, Haines—Feed  
 Haines Flour Mill, Haines—Flour and Feed  
 Haines Lumber Co., Haines—Lumber  
 Halfway Cheese Factory, Halfway—Cheese  
 Hall, A. A., Eagle Point—Lumber  
 Hall Lumber Co., Tualatin—Lumber  
 Hall, W. H., John Day—Lumber  
 Hallock, F. S., Cherry Grove—Lumber  
 Halstead & Co., Albert, Trester—Lumber  
 Halverson Co., 374 E. Oak, Portland—Electric Fixtures and Plating  
 Hamley & Co., Pendleton—Saddlery  
 Hamilton Lumber Co., Dallas—Lumber  
 Hamilton & Reagen, Hillsboro—Lumber  
 Hammock's Sawmill, W. J., Enterprise—Lumber  
 Hammond Lumber Co., Gasco Bldg., Portland—Lumber, Lath and Shingles  
 Hammond, P. M., Philomath—Lumber  
 Hancock & Burgess, Westimber—Shingles  
 Hankel & Co., 860 Williams Ave., Portland—Cabinets and Fixtures  
 Hannan, Edgar, Elmira—Lumber  
 Hannan & Wilhelm, Noti—Lumber  
 Hansen, H. J., Forest Grove—Lumber  
 Hansen Manufacturing Co., 6516 Powell Valley Road, Portland—Vinegar  
 Hansen Planing Mill, A. N., Salem—Lumber  
 Hansen Planing Mill, Vale—Lumber  
 Hansen Sawmill, H. M., Long Creek—Lumber  
 Hanson Printing Co., 268 Madison, Portland—Printing and Bookbinding  
 Hardesty, H., Sherwood, Route 1. Box 64—Lumber  
 Hardie Mfg. Co., The, 49 N. Front, Portland—Spraying Machinery and Ladders  
 Hargreaves Bros. & Morris, Eugene—Lumber  
 Harney Sawmill, Harney—Lumber and Shingles

## MANUFACTURERS IN OREGON—Continued

- Harney Valley Lumber Co., Burns—Lumber  
 Harper, Robert, Junction City—Lumber  
 Harper's Brass Works, 106 N. 5th, Portland—Foundry  
 Harris Machine Works, The, 174 E. Waller, Portland—Ice Machines  
 Harrisburg Concrete Works, Harrisburg—Cement Products  
 Harrisburg Lumber & Mfg. Co., Harrisburg—Lumber  
 Harttrampf Feed Mill, Forest Grove—Feed  
 Harvey Lumber Co., Comstock—Lumber  
 Haskell Carpenter Co., Cherry Grove—Lumber  
 Hawley Pulp & Paper Co., Oregon City—Paper and Paper Bags  
 Hawthorne Artificial Ice Co., 1048 Hawthorne Ave., Portland—Ice  
 Hawthorne Bracket Co., 1065 E. Madison, Portland—Cabinets and Fixtures  
 Haynes, C. S., Sherwood—Lumber  
 Haynes-Foster Bakery Co., 64 E. 7th, North, Portland—Bakery  
 Haynes & Son, A. F., Dufur, R. 1, Box 37—Lumber  
 Hazel Hill Cheese Factory, Otis—Cheese  
 Hazelwood Cheese Factory, Lakeside—Cheese  
 Hazelwood Co., 2-4 N. Front, Portland—Creamery  
 Hazelwood Confectionery & Restaurant, 388 Washington, Portland—Ice Cream  
 Hazelwood Cream Co., Grants Pass—Creamery  
 Hedin Mill, Wapinitia—Lumber  
 Heiney's Sawmill, Gresham, R 3—Lbr  
 Heiple & Buell, Molalla—Lumber  
 Heiser, W. W., Newberg—Lumber  
 Heitkemper, John, 151 Porter, Portland—Cigars  
 Helix Chop Mills, Helix—Feed  
 Helix Milling Co., Helix—Flour and Feed  
 Heller, L. F. R., Gravel Ford—Lbr  
 Helser Machine Shop, 493 N. 22nd, Portland—Engines  
 Henderson Cigar Factory, Salem—Cigars  
 Henningsen Produce Co., 180 Burnside, Portland—Milk Condenser  
 Heppner Farmers Elevator Co., Heppner—Flour and Feed  
 Heppner Planing Mill, Heppner—Lumber  
 Herald Printing Co., Albany—Printing and Bookbinding  
 Hermiston Creamery Co., Hermiston—Creamery  
 Hescock Sash & Door Co., 212 1st, Portland—Sash and Doors  
 Hess Furnace Mfg. Co., 117 Argyle Ave., Portland—Furnaces  
 Hesse-Martin Iron Works, E. 8th & Taylor, Portland—Foundry  
 Heyd & Co., Frank, Tillamook—Sash and Doors  
 Hicklings Bros., Bandon—Lath  
 Hicks-Chatten Engraving Co., Blake-McFall Bldg., Portland—Advertising Cuts, Half Tones, etc.  
 Highland Milling Co., Hood River—Flour and Feed  
 Hill Bros., Dexter—Lumber  
 Hill, J. W., Twin Rocks—Shingles  
 Hills Creek Lumber Co., Jasper—Lbr.  
 Hillsboro Cannery, Hillsboro—Canned Fruit and Vegetables  
 Hiner Foundry & Machine Co., Tillamook—Foundry  
 Hippely, E., 224 Oak, Portland—Electric Fixtures  
 Hirsch-Weiss Mfg. Co., 205 Burnside, Portland—Garments, Awnings, Tents, Hammocks, Khaki, Corduroy, and Waterproof Clothing, Canvas Goods, Carpenter Aprons, Overalls and Water Bags  
 Hockema Bros., Junction City—Lbr  
 Hoefler, H. R., Astoria—Candy and Ice Cream  
 Hoffman Evaporating Co., J. N., Forest Grove—Evaporated Fruits  
 Hogan, S. Riley, Corvallis—Lumber  
 Hobbach's Bakery, Pendleton—Bakery  
 Holland & Clausner, Crow—Lumber  
 Holly Milk & Cereal Co., Amity—Milk Condenser  
 Holly Press, 66½ 1st, Portland—Printing and Bookbinding  
 Holstein Creamery Co., Tillamook—Cheese  
 Holt, Chas., Laurel—Canned Fruits and Vegetables  
 Holt-Chase Canning Co., Myrtle Point—Canned Fruits and Vegetables  
 Home Creamery Co., 261 Russell, Portland—Creamery  
 Hood, C. E., Wallowa—Feed  
 Hood River Apple Vinegar Co., Hood River—Cider and Vinegar  
 Hood River Canning Co., Hood River—Canned Fruits and Vegetables  
 Hood River Cigar Co., Hood River—Cigars  
 Hood River Creamery, Hood River—Creamery  
 Hood River News Co., Hood River—Printing and Bookbinding  
 Hood River Spray Co., Hood River—Sprays  
 Hood River Valley Products Co., 231 14th Portland—Cider and Vinegar  
 Hoody Peanut Butter Co., 55 Union Ave., Portland—Peanut Butter  
 Hoover's Bakery, 557 E 11th, Portland—Bakery  
 Hopkins & Son, D. B., Eugene—Lbr  
 Hopper, M. D., Curtin—Lumber  
 Horner Bros., Sweet Home, Box 176—Lumber  
 Horner & Millard, Mulino—Lumber  
 Horst Co., E. Clemens, Independence—Evaporated Fruits  
 Horton Lumber Co., B. J., Horton—Lumber  
 Hosford & Grant, Cushman—Fish Packing  
 Hoskins & DeSart, Donald—Brick and Tile  
 Howe, L. B., Sheridan—Beverages  
 Hubbard Creamery Co., Hubbard—Ice and Creamery  
 Hubbs Planing Mill, Silverton—Lbr  
 Hudson Co-Operative Creamery, Umapine—Creamery  
 Hughes Bros., Junction City—Lbr  
 Hult Lumber Co., Mulino—Lbr  
 Humberg Mfg. Co., Mt. Angel—Lumber and Handles

## MANUFACTURERS IN OREGON—Continued

- Humphrey Bros., Jasper—Lumber  
 Hunt Bros. Packing Co., Salem—Canned Fruit and Vegetables  
 Hunt, H. W., Banks—Lumber  
 Huntington Meat Co., Huntington—Meat Packing  
 Hunzicker Lumber Co., Swisshome—Lumber  
 Ice & Cold Storage Co., Medford—Ice  
 Idan-Ha Orchard Co., Nyssa—Evaporated Fruits  
 Illihee Mill & Mfg. Co., Oakland—Handles  
 Imbler Box & Lumber Co., Imbler—Boxes  
 Imbler Milling Co., Imbler—Feed  
 Imlay, J. B., Reedville—Feed  
 Imperial Cigar Factory, Astoria—Cigars  
 Independence Creamery, Harrisburg—Cheese  
 Independence Creamery, Independence—Creamery  
 Independence Creamery, Medford—Ice  
 Independent Cracker Co., 523 E Davis, Portland—Biscuits and Crackers  
 Independent Foundry Co., 23rd & York Portland—Foundry  
 Independent Printing Co., 208 Alder, Portland—Printing and Bookbinding  
 Independent Saddle Tree Factory, 570 Lake, Portland—Saddle Trees  
 Independent Warehouse & Milling Co., Wasco—Flour and Feed  
 Indian Creek Sawmill, Prairie City—Lumber  
 Ingram & James, R. 4, Lebanon—Lbr  
 Ingram's Sawmill, Union—Lbr  
 Inland Lumber Co., Klamath Falls—Lumber  
 Inman-Chase Lumber Co., Springfield—Lumber  
 Inman-Paulsen Lumber Co., Ft. of E. Caruthers, Portland—Lumber  
 International Lumber Co., Elmira—Lumber  
 Investment Co., Sherwood—Lumber  
 Irving, O. J., Lowell—Lumber  
 Irvington Machine Works, 375 E. 6th N., Portland—Box Factory Specialties  
 Irwin-Hodson Co., 115 N 15th, Portland—Rubber Stamps, Printing and Bookbinding  
 Island Lumber Co., St. Helens—Lbr  
 Ivy Press, 383 Stark, Portland—Printing and Bookbinding  
 Izzard Gas Heating Co., Portland—Gas Generating Plants  
 Jackson, Geo. T., Gaston—Lumber  
 Jackson County Creamery, Medford—Ice and Creamery  
 Jackson Lumber Co., Myrtle Creek—Lumber  
 Jackson & Eidsmoe, Yamhill—Lbr  
 Jacobs, Julius T., Astoria—Lumber  
 Jacobs Hat & Cap Works, Phoenix Bldg., Portland—Caps, Cloth  
 Jacobs & Hess Lumber Co., Union—Lumber and Boxes  
 Jacobs Shirt Co., Raleigh Bldg., Portland—Men's Shirts  
 Jacobson-Reid Lumber Co., Rainier—Lumber  
 James, Kerns & Abbott, N. 9th & Flinders, Portland—Printing and Bookbinding  
 Jantzen Knitting Mills, 31 N. 5th, Portland—Woolen Goods, Garments, Ladies' and Children's  
 Jefferson Mill Co., Jefferson—Flour and Feed  
 Jeffs, W. O., Scappoose—Lumber  
 Jeldness Bros., Astoria—Fish Packing  
 Jenkins & Wright, Klamath Falls—Lumber  
 Jerome, P. A., Klamath Falls—Lumber  
 Jewell Lumber Co., Jewell—Lumber  
 Jewett Mill, Gardiner—Lumber  
 J. & L. Manifold Mfrs., Portland—Gas Saving Device for Autos  
 John Day Development Co., Spray—Lumber  
 Johnson Bros., Cornelius, R. 2—Lbr  
 Johnson & Co., C. J., 548 1st, Portland—Sheet Metal  
 Johnson, F. O., Philomath—Lumber  
 Johnson Cider Palace, H. A., 247 Yamhill, Portland—Cider  
 Johnson, Frank, 180 Union Ave., Portland—Cabinets and Fixtures  
 Johnson, C. McC., Reedsport—Lumber  
 Johnson-Inman & Brown, Hubbard, R. 1—Lumber  
 Johnson Lumber Co., Coquille—Lumber and Lath  
 Johnson, M., Blachly—Lumber  
 Johnston Lumber Co., Applegate—Lumber  
 Jones Bros. & Co., 64 Albina Ave., Portland—Vinegar and Beverages  
 Jones Lumber Co., 1280 Macadam, Portland—Lumber  
 Jonsrud & Gunderson Lumber Co., Boring, R. 2—Lumber  
 Jordan Cheese Factory, Scio—Cheese  
 Joseph Milling Co., Joseph—Flour and Feed  
 Josephine County Flour Mill, Grants Pass—Flour and Feed  
 Josephine Lumber Co., Grants Pass—Lumber  
 Junction City Creamery, Junction City—Creamery  
 Jungwirth, F. W., Lyons—Lumber  
 K. & C. Lumber Co., Doris, Calif—Lumber  
 Kaake & Jubb, Estacada—Lumber  
 Kajak Lumber Mfg. Co., E 2nd and Market, Portland—Lath  
 Karlson, K. E. & Co., 450 Burnside, Portland—Appliances, Surgical and Deformity.  
 Kautz Mfg. Co., 26th & Nicolai, Portland—Lumber, Sash and Doors, Cabinets and Fixtures  
 Kay Woolen Mill Co., Thos., Salem—Woolen Goods  
 Keith Lumber Co., Junction City—Lumber  
 Keller Harness Co., The, 49 N. 6th, Portland—Saddlery, Harness and Collars  
 Kelly Co., Fred L., 88 1st, Portland—Advertising Novelties  
 Kelly, F. G., Warrenton—Lumber  
 Kelly, L. D., Stayton—Lumber  
 Kennedy Bottling Co., Marshfield—Beverages

## MANUFACTURERS IN OREGON—Continued

- Kenworthy, N. A., Friend—Lumber  
 Kern Brick Co., L. E., 1027 Tillamook,  
 Portland—Brick and Tile  
 Kern & Co., A. E., 215 Fourth, Port-  
 land—Printing and Bookbinding  
 Kerr & Fallert, Oregon City—Lumber  
 Kerr, Gifford & Co. Inc., Lewis Bldg.,  
 Portland—Cereals, Flour and Feed  
 Kesterson Lumber Co., I. W., Warden  
 —Lumber  
 Key Lumber Co., Wallowa—Lumber  
 Keystone Press, 100½ Front, Port-  
 land—Printing and Bookbinding  
 Kight & Train, Riverton—Lumber  
 Kilgore Bros., McMinnville, R. 4.—  
 Lumber  
 Kilham Stationery & Printing Co., 5th  
 & Oak, Portland—Printing and  
 Bookbinding  
 Killian, John, Silverton—Lumber  
 Kincaid Sawmill, Long Creek—Lbr  
 King Bros. Boiler Works, 711 N 18th,  
 Portland—Boilers and Steel Tanks  
 King Fisher Mattress Co., 478 Albina  
 Ave., Portland—Bed Springs and  
 Mattresses  
 Kings Valley Lumber Co., Kings Val-  
 ley—Lumber  
 Kirby, D. C., Sheridan—Lumber  
 Kirk Lumber Co., Chiloquin—Shingles  
 and Lumber  
 Kitterman & Son, H. B., Kerby—Lbr  
 Kitts, W. H., Dairy—Lumber  
 Klamath Falls Creamery Co., Klamath  
 Falls—Creamery  
 Klamath Ice & Storage Co., Klamath  
 Falls—Ice  
 Klamath Iron & Steel Works, Klamath  
 Falls—Foundry  
 Klamath Mfg. Co., Klamath Falls—  
 Lumber and Boxes  
 Klamath River Lumber Co., Dorris,  
 Calif.—Lumber  
 Kleist & Co., Commonwealth Bldg.,  
 Portland—Printing and Bookbind-  
 ing  
 Knapp, Dick, Forest Grove—Lumber  
 Knapp Bros., Aurora—Lumber  
 Knight Packing Co., 474 E. Alder,  
 Portland—Vinegar, Pickles, Pres-  
 erves, Jams, Jellies, Sauerkraut,  
 Canned Fruit and Vegetables  
 Knight, W. R., Corbett—Feed  
 Knitzley & Hill, Lowell—Lumber  
 Know & Ruttencutter, Kerby—Lbr  
 Kollock Mfg. Co., 652 2nd, Portland—  
 Furniture  
 Komning Bros., Scappoose—Lumber  
 Koontz Harness Co., The, 110 1st,  
 Portland—Saddlery, Harness and  
 Collars  
 Korinek Remedy Co., Columbia Blvd  
 & Derby, Portland—Mfg. Chemists  
 Kratz Shingle Co., Henry, Clatskanie  
 —Shingles  
 Krebs Bros., 242 Stark, Portland—  
 Stamps, Rubber  
 Krieger, A., Estacada, R. 1.—Shingles  
 Kruger Bros., Oregon City—Lath  
 Kruse & Banks, Shipbuilding Co.,  
 North Bend—Boats and Wood Ships  
 Kubli-Howell Co., 84 Fourth, Port-  
 land—Printing and Bookbinding  
 Kufner-Graham Lumber Co., Dillard—  
 Lumber  
 Kuhl Bros., Mill, Prairie City.—Lbr  
 Kurtz & Co., F. A., Salem—Evaporat-  
 ed Fruits  
 La Fayette Canning Co., La Fayette  
 —Canned Fruits and Vegetables  
 La Gran Marca Cigar Co., 92½ 6th,  
 Portland—Cigars  
 La Grande Bakery, La Grande—Bak-  
 ery  
 La Grande Beverage Co., La Grande—  
 Beverages  
 La Grande Brick Yard, La Grande—  
 Brick and Tile  
 La Grande Evening Observer Pub-  
 lishing Co., La Grande—Printing  
 and Bookbinding  
 La Grande Iron Works, La Grande—  
 Foundry  
 La Grande Lbr. & Mill Co., La  
 Grande—Lumber  
 La Grande Milling Co., La Grande—  
 Flour and Feed  
 Lais, A. J., Molalla—Lumber  
 Lakeside Lumber Co. Klamath Falls—  
 Sash and Doors  
 Lakeview Creamery, Lakeview—  
 Creamery  
 Laksonen Mill & Lbr. Co., Lakeside—  
 Lumber  
 Lambert Bakery, 185 3rd, Portland—  
 Bakery  
 Lambert Tire & Rubber Co., 125  
 Grand Ave., Portland—Auto Tops  
 and Rubber  
 Lamm Lumber Co., Modoc Point—  
 Lumber  
 Lammers Bros., Cottage Grove—Lbr.  
 Landax Lumber Co., Landax—Lumber  
 Landess Bros., Sawmill, Chitwood—  
 Lumber  
 Lane County Creamery, Eugene—  
 Creamery  
 Lane Shingle Co., Siltcoos—Shingles  
 Lang, Matt, Portland—Cigars  
 Lang & Co., 1st and Ankeny, Port-  
 land—Peanut Butter, Coffee, Spices  
 and Extracts  
 Lange-Erickson, 111 Twelfth, Port-  
 land—Printing and Bookbinding  
 Langell Lbr. Co., Langells Valley—  
 Lumber  
 Langells Valley Cheese Factory—  
 Langells Valley—Cheese  
 Langlois Cheese Factory, Langlois—  
 Cheese  
 Langlois Sawmill, Langlois—Lumber  
 La Pine Creamery, La Pine—Cream-  
 ery  
 Lapwai Lumber Co., Enterprise—Lbr.  
 Larkins & Son, C. N., Hoff—Lumber  
 Laro Lumber Co., Blodgett—Lumber  
 Laro Realty Co., Reedville—Lumber  
 Lattin Lumber Co., Creswell—Lbr.  
 Laube Bros., Rainier—Shingles  
 Lawrence, E. H., Klamath Falls—  
 Cigars  
 Lawrence Co., The Geo., 1st and Oak  
 Portland—Saddlery  
 Layton Cooperage Co., 307 Water,  
 Portland—Barrels and Casks  
 Leach-Ingon, Reedsport—Boats  
 Leach Iron Works, J. M., 439 Van-  
 couver Ave., Portland—Castings,  
 Brass, Iron and Steel  
 Leavenhagen, F. C., Elkton—Lumber  
 Lebanon Creamery Co., Lebanon—Ice  
 and Creamery  
 Lebanon Electric Light & Power Co.,  
 Lebanon—Electricity  
 Leber Lumber Co., Veneta—Lumber  
 Lee, E. M., Sutherlin—Lumber

## MANUFACTURERS IN OREGON—Continued

- Lehmann Co., Geo. A., 383 E. Pine,  
 Portland—Macaroni, Spaghetti, Etc  
 Leis, B., Beaverton—Vinegar  
 Leisure & Van Beber, 1560 Ma-  
 cadam, Portland—Saddle Trees and  
 Saddlery  
 Leland Lumber Co., Leland—Lumber  
 Lenhard, J. E., North Powder—Feed  
 Leona Mills Lumber Co., Leona—Lbr  
 Lewis, W. E., La Grande—Lumber  
 Lewis & Bolter, Holbrook—Lumber  
 Lewis & Clark Cigar Co., Portland—  
 Cigars  
 Lewis & Hooker, Elmira—Lumber  
 Lewisburg Lumber Co., Corvallis—  
 Lumber  
 Lexington Roller Mills, Lexington—  
 Flour and Feed  
 Libel Lumber Co., Yamhill, R. 1—Lbr  
 Libby-McNeil & Libby, The Dalles—  
 Canned Fruit and Vegetables  
 Liggett & Austin, Shedd—Lumber  
 Lincoln & Allen, 112 1st, Portland—  
 Printing and Bookbinding  
 Lindsay Bros., Sawmill, La Grande—  
 Lumber  
 Loftin, J. F., Lebanon—Lumber  
 Log Cabin Baking Co., 265 Ivy, Port-  
 land—Bakery  
 Lohr's Bakery, 524 Milwaukie, Port-  
 land—Bakery  
 Long Creek Flour Mill, Long Creek—  
 Flour  
 Long Prairie Creamery Co., Tilla-  
 mook—Cheese  
 Lost Valley Lumber Co., Dexter—Lbr  
 Loughmiller, W. E., Silverton—Feed  
 Lower Columbia Farmer's Creamery,  
 Astoria—Creamery  
 Lowman, W. B., Rainier—Lumber  
 Lucke, W. H., Canby—Feed  
 Luckel, King & Cake Soap Co., 648  
 Hood, Portland—Soap  
 Luckiamute Sawmill, Falls City—Lbr  
 Ludeman, C., Tidewater—Lumber  
 and Shingles  
 Lulay & Gisler, Scio—Lumber  
 Lumber Products Co., Klamath  
 Falls—Boxes  
 Lumber Products Co., 1454 Macadam,  
 Portland—Lumber and Ladders  
 Lundy Creamery, Myrtle Point—  
 Cheese  
 Lutke Mfg. Co., 6th and Hoyt, Port-  
 land—Cabinets and Fixtures  
 Lynch & Son, Geo., Lakeview—Lbr  
 Lyon & Hunter, Springfield—Feed  
 Lyons Milling Co., Gaston—Flour and  
 Feed  
 M. J. Lumber Co., Glendale—Lumber  
 M. & M. Woodworking Co., 800 Mult-  
 nomah, Portland—Sash and Doors  
 Madison, Geo. D., Kellogg—Lumber  
 and Shingles  
 Madras Flour Mills, Madras—Flour  
 and Feed  
 Maeder Field Products Co., 617 Vaug-  
 han, Portland—Structural Steel  
 Margrunn, H., Joseph—Lumber  
 Malheur Lumber Co., Malheur City—  
 Lumber  
 Malin Milling Co., Malin—Flour and  
 Feed  
 Manchester Box & Lbr. Co., The  
 Dalles—Lumber and Boxes  
 Maple Grove Cheese Factory, Beav-  
 er—Cheese  
 Maple Grove Lumber Co., Wilson-  
 ville—Lumber  
 Maple Leaf Creamery Assn., Tilla-  
 mook—Cheese  
 Maples Shingle Co., Helloff—Shin-  
 gles  
 Margulis & Company, Portland—Vin-  
 egar  
 Marlon Creamery & Produce Co.,  
 Salem—Creamery  
 Mark, L. J., Trail—Lumber  
 Marling Co., W. P., Eugene—Lath  
 Marne Iron Works, 260 E. 6th, Port-  
 land—Foundry  
 Marsh Printing Co., 122½ Front, Port-  
 land—Printing and Bookbinding  
 Marshall, J. D., Hoff—Lumber  
 Marshall Mfg. Co., James I., 452  
 Hoyt, Portland—Cabinets and Fix-  
 tures  
 Marshfield Baking Co., Marshfield—  
 Bakery  
 Marshfield Cannery, Marshfield—  
 Canned Fish  
 Martin Bros., Hoff—Lumber  
 Martin Bros Inc., Klamath Falls—  
 Flour and Feed  
 Martin Candy Co., Marshfield—Candy  
 Martin Lbr. Co., W. A., Turner—Lbr  
 Marvel Plating Works, 113 Grand  
 Ave., Portland—Plating  
 Mason-Ehrman Co., 50 Everett, Port-  
 land—Coffee, Spices, Extracts, Etc  
 Masten Lumber Co., J. N., La Pine—  
 Lumber  
 Mathenis, G. F., Ft of McKenna  
 Ave., Portland—Boats and Wood  
 Ships  
 Mathews, L. P., Mist—Lumber  
 Mathewson Mill, Fossil—Shingles  
 Matson, Ole, Hillsboro, R. 3—Lumber  
 Mattingly Mill, Antone—Lumber  
 Mattock, A. M., Dallas—Lumber  
 Maupin Milling Co., Maupin—Flour  
 and Feed  
 Maury Mountain Sawmill, Held—Lbr  
 Mayers Women's Wear, 4th and  
 Couch, Portland—Ladies' and Chil-  
 dren's Garments  
 Mayville Daisy Mills, Mayville—Feed  
 Mc A-B Cookie Co., 131 E. 18th, Port-  
 land—Cookies and Cakes  
 McBee Bros., Trent—Lumber  
 McCann & Frydendall, Manning—Lbr  
 McCarthy & Hamlet, Barton—Lumber  
 McClanahan Incubator Co., Eugene—  
 Incubators and Brooders  
 McClellan, F. Y., West Stayton—Lbr  
 McClure, O. L., Sweet Home—Lumber  
 McComas, C. W., Pendleton—Lumber  
 McCreery Mfg. Co., The, Royal An-  
 nex, Portland—Ladies' Apparel  
 McDaniel & Co., A. G., Crow—Shin-  
 gles  
 McDowall Bros., Richland—Lumber  
 and Boxes  
 McFadden, C. F., Hillsboro—Cigars  
 McFarlane Bros., Manning—Lumber  
 McGowan's Cannery, Warrendale—  
 Canned Fish  
 McHugill, Geo., Oakland—Lumber  
 McKinley-Hampson Lumber Co.,  
 Bend, Box 807—Lumber  
 McLean, A. A., Buell—Lumber  
 McMillan Bros., Willamina—Lumber  
 McMinville Brick & Tile Co., Mc-  
 Minville—Brick and Tiles

## MANUFACTURERS IN OREGON—Continued

- McMinnville Creamery, McMinnville—Creamery  
 McMinnville Electric Light Plant, McMinnville—Electricity  
 McMinnville Ice Co., McMinnville—Ice  
 McMonies & Co., W. H., 440 Hancock, Portland—Saddlery, Harness, Collars, Saddle Trees  
 McMullen, R. J., Barnesdale—Lumber  
 McNaught, C. S., Hermiston—Feed  
 McPherson Bros., Berlin—Lumber  
 McPherson Co., The W. G., 19th and Wilson, Portland—Sheet Metal  
 Meadow Lake Lumber Co., Dayton—Lumber  
 Meahlhorn Mill, Halfway—Lumber  
 Mealy Bros., Foster—Lumber  
 Meda Creamery Co., Meda—Cheese  
 Medford Concrete Construction Co., Medford—Cement Products  
 Medford Ice & Storage Co., Medford—Ice  
 Medford Iron Works, Medford—Foundry  
 Medford Mail Tribune, Medford—Printing and Bookbinding  
 Medford Soda Works, Medford—Beverages  
 Medford Tent & Awning Co., Medford—Awnings and Tents  
 Meek, A. H., Joseph—Lumber  
 Menefee Lumber Co., L. B. North Portland—Lumber and Shingles  
 Merrick Lumber Co., Gaston—Lumber  
 Merrill Creamery, Merrill—Creamery  
 Metropolitan Hat & Cap Mfg. Co., 131½ 2nd, Portland—Cloth Caps  
 Metropolitan Printing Co., 211 Oak, Portland—Printing and Bookbinding  
 Miami Valley Creamery Co., Garibaldi—Cheese  
 Midgley Planing Mill Co., Eugene—Lumber  
 Mill Made Construction Co., Williams Ave. and Farragut, Portland—Lbr  
 Milldale Milling Co., Drewsey—Lumber and Shingles  
 Miller, C. M., Turner—Lumber  
 Miller, O. H., Hubbard—Feed  
 Miller & Henry, Gold Beach—Lbr  
 Miller & Powell, Chiloquin—Lath  
 Miller, W. J., Alpine—Lumber  
 Miller, W. L., Cottage Grove—Lbr  
 Miller Willis, Junction City—Lumber  
 Miller Bros. Flour Mill, Milton—Flour and Feed  
 Miller-Steinau, Globe Bldg., Portland Agate Products  
 Miller-Woodruff Lumber Co., Scappoose—Lumber  
 Mills & Co., E. J., Birkenfeld—Shingles  
 Milton Box Co., Milton—Boxes  
 Milton Ice & Cold Storage Co., Milton—Ice  
 Minam Lumber Co., Minam—Lumber  
 Minsky Sawmill, Frank, Rose Lodge—Lumber  
 Mitchell Ladder Co., Medford—Ladders  
 Mitchell Lumber Co., Banks—Lumber  
 Model Bakery, Hood River—Bakery  
 Modern Printing & Publishing Co., 86 Broadway, Portland—Printing and Bookbinding  
 Modern Dairy, 266 Couch, Portland—Creamery  
 Modoc Lumber Co., Chiloquin—Lbr  
 Moehnke Bros., Hoff—Lumber  
 Moffat, Thomas, Medford—Lumber, Sash and Doors  
 Mohawk Lumber Co., Mohawk—Lbr  
 Mohler Creamery Co., Mohler—Cheese  
 Monarch Lumber Co., North Portland—Lumber  
 Monitor Flour Mills, Woodburn—Flour and Feed  
 Monmouth Co-operative Creamery Co., Monmouth—Creamery  
 Monner, Wm., Oregon City—Lumber  
 Monroe Shingle Mill Co., Cushman—Shingles  
 Montavilla Ice Co., 1995½ E. Stark, Portland—Ice  
 Moody, W. H., Shaniko—Feed  
 Moomay, J. C., Hubbard—Lumber  
 Moore, D. M., Gold Beach—Cheese  
 Moore Dry-Kiln Co., North Portland—Dry Kiln Equipment  
 Moore, Fred, Marshfield—Shingles  
 Moore Mill & Lumber Co., Bandon—Lumber  
 Moore's Cigar Factory, Jas. L., Astoria—Cigars  
 Morales, M., 952 Thurman, Portland—Machine Bits  
 Morgan Razor Works, 212 1st, Portland—Razors and Razor Strops  
 Morgan Sawmill, Wonder—Lumber  
 Morrow County Creamery, Heppner—Creamery  
 Mortin & Daniel, Monroe—Lumber  
 Moser, H. F., Clackamas—Lumber  
 Mountain States Power Co., Albany—Electricity and Gas  
 Mt. Angel Brick & Tile Co., Mt. Angel—Brick and Tile  
 Mt. Angel Creamery & Ice Co., Mt. Angel—Creamery  
 Mt. Hood Ice Cream Co., 230 E. 6th, Portland—Ice Cream  
 Mt. Hood Lumber Co., Parkdale—Lumber and Boxes  
 Mt. Hood Soap Co., 270½ Glisan, Portland—Soap  
 Mt. Hood Soda Water Works, 648 Second, Portland—Beverages  
 Muir & McDonald Co., Dallas—Tannery  
 Mulino Flour Mills, Mulino—Flour and Feed  
 Multnomah Chemical Co., 371 E. Morrison, Portland—Soap  
 Multnomah Iron Works, 30th and Nicolai, Portland—Drag Saws  
 Multnomah Lumber & Box Co., Ft. of Bancroft Ave., Portland—Lumber, Boxes and Baskets  
 Multnomah Printing Co., 68½ First, Portland—Printing and Bookbinding  
 Multnomah Trunk & Bag Co., 84 E. Water, Portland—Trunks, Traveling Bags and Suitcases  
 Mulvany's Sawmill, Wamic—Lumber  
 Murphy-Gardiner Lumber Co., Stayton—Lumber  
 Murphy Sawmill, Stayton—Lumber  
 Murphy Timber Co., Yeon Bldg., Portland—Lumber  
 Murrev. A. R., Enterprise—Lumber  
 Mutual Creamery Co., Astoria—Ice Cream and Creamery

## MANUFACTURERS IN OREGON—Continued

- Mutual Creamery Co., Baker—Creamery  
 Mutual Creamery Co., Halfway—Cheese  
 Mutual Creamery Co., 72 E. 7th, Portland—Creamery and Ice Cream  
 Myers Co., W. S., Selling-Hirsch Bldg., Portland—Jewelry  
 Myrtle Point Creamery Co., Myrtle Point—Cheese  
 Myrtle Point Mill & Lumber Co., Myrtle Point—Lumber  
 Myrtle Point Shingle Co., Myrtle Point—Shingles  
 Myrtlewood Creamery, Coquille—Cheese  
 National Broom Mfg. Co., 97 Union Ave., Portland—Brooms  
 National Cold Storage & Ice Co., 309 E. Washington, Portland—Ice  
 National Fire Proof Lumber Co., Mt. Angel—Granite and Marble  
 National Mfg. Co., 392 Morrison, Portland—Ladies' Waists  
 National Tank & Pipe Co., 275 Oak, Portland—Barrels, Casks and Silos  
 National Vault Co., Portland—Cement Products  
 Nebergall Meat Co., D. E., Albany—Meat Packing  
 Nehalem Lumber Co., Birkenfeld—Lumber  
 Nehalem Shingle Co., Kerry—Shingles  
 Neilsen & Meinie, Mountindale—Lbr  
 Nelson, Frank, Newberg, R. 3—Lbr  
 Nelson's Ladder Works, 267 2nd, Portland—Ladders, Cabinets and Fixtures  
 Neskowin Dairy Assn., Neskowin—Cheese  
 Nestle's Food Co., Inc., Chamber of Commerce Bldg., Portland—Milk Condenser  
 Nestucca Lumber Co., Cloverdale—Lumber  
 Neustadter Bros., 301 Ankeny, Portland—Men's Garments  
 Newberg Creamery Co., Newberg—Creamery  
 Newberg Iron Works, Newberg—Foundry  
 Newberg Meat Co., Newberg—Meat Packing  
 New Haven Carriage Works, 4th and Glisan, Portland—Wagons, Auto and Truck Bodies  
 New Riverside Mill, Paisley—Lumber  
 New York Bakery, E. 7th and Belmont, Portland—Bakery  
 New York Plating Works, 113 Grand Ave., Portland—Plating  
 Nibley-Minnaugh Lumber Co., Walla-walla—Lumber and Boxes  
 Nicolai Door Mfg. Co., Kenton Station, Portland—Lumber, Sash and Doors  
 Nicolai-Neppach Co., 227 Davis, Portland—Lumber, Sash and Doors  
 Nicholas & Son, R. F., Mitchell—Lbr  
 Nielsen, Lewis, Beaverton, R. 3—Lbr  
 Nine Lumber Co., Klamath Falls—Lumber  
 Noble, E. G., Heppner—Saddlery, Harness and Collars  
 Noon Bag Co., W. C., 34 N. 1st, Portland—Bags and Burlap  
 Norman Ice Cream Factory, The Dalles—Ice Cream  
 North Bend Iron Works, North Bend—Foundry  
 North Bend Mill & Lumber Co., North Bend—Lumber  
 North Pacific Auto & Wagon Co., 9th and Hoyt, Portland—Auto and Truck Bodies  
 North Pacific Spike Co., 619 Upshur, Portland—Iron Spikes, Nuts and Bolts  
 North Plains Lumber Co., North Plains—Lumber  
 North Portland Box Co., North Portland—Lumber, Boxes and Woodenware  
 North Powder Milling & Merchantile Co., North Powder—Flour and Feed  
 North Yamhill Tile Works, Yamhill—Brick and Tile  
 Northern Flour Mills Co., Lumbermen's Bldg., Portland—Cereal and Flour  
 Northern Pacific Lumber Co., Ft. of Sherlock Ave., Portland—Lumber  
 Northwest Blow Pipe Co., 554 Delay, Portland—Sheet Metal  
 Northwest Box Co., Park Rose, Portland, R. F. D. A.—Boxes  
 Northwest Bridge & Iron Co., Ft of Sheridan, Portland—Structural Steel, Bolts and Nuts  
 Northwest Fence & Supply Co., 52 Union Ave., Portland—Ornamental Iron and Wire  
 Northwest Fence & Wire Works, N. 10th and Flanders, Portland—Ladders  
 Northwest Plug Co., 554 E. 10th, Portland—Boxes  
 Northwest Potato Starch & Milling Co., Gresham—Starch  
 Northwest Rug Works, 188 E. 8th, Portland—Rugs  
 Northwest Steel Co., Ft. of Sheridan, Portland—Steel Shipbuilding  
 Northwest Veneer Products Co., Linton Station, Portland—Veneer  
 Northwest Waste & Cotton Co., Nicolai and Lake, Portland—Waste  
 Northwestern Electric Plant, Pittock Block, Portland—Electricity  
 Northwestern Granite Co., Haines—Granite and Marble  
 Northwestern Roller Mills, Milton—Flour and Feed  
 Norton, Frank J., Drain—Canned Fruit and Vegetables  
 Norway Creamery, Norway—Cheese  
 Norwood & Son, Mayger—Shingles  
 Novelty Turning Works, 206 Commonwealth Bldg., Portland—Novelties, Wood  
 Nursery Furniture & Mfg. Co., 511 Fenton Bldg., Portland—Furniture  
 Nutter & Millison, 15th and Lovejoy, Portland—Lumber  
 Nylund & Co., John, Cherry Grove—Lumber  
 Nyssa Flour Mill, Nyssa—Flour and Feed  
 Oak Creek Lumber Co., Corvallis—Lbr  
 Oak Grove Creamery, Scappoose—Creamery  
 Oak Grove Lumber Co., Hood River—Lumber

## MANUFACTURERS IN OREGON—Continued

- Oakridge Co., Oakridge—Lumber.  
 O'Bryant Grain Co., Baker—Feed  
 Ocean View Cheese Factory, Langlois—Cheese  
 Oerding Mfg. Co., Coquille—Boxes and Wood Novelties  
 Ohlen & Sons, Jas., 288 E. Morrison, Portland—Saws  
 Ohler & Braun, Vernonia—Shingles  
 Ohler Bros., Timber—Shingles  
 Old Fashioned Cereal Co., 241 Holladay Ave., Portland—Cereal  
 Olympia Cereal Mill, E. 1st and Washington, Portland—Cereal  
 Oregon Artificial Limb Co., 425 Washington, Portland—Artificial Limbs  
 Oregon Auto Top Co., 14th and Couch, Portland—Auto Tops  
 Oregon Bag & Suitcase Mfg. Co., 151 4th, Portland—Trunks, Travelling Bags and Suitcases  
 Oregon Bakery, The Dalles—Bakery  
 Oregon Bone Meal Works, Lents Station, Portland—Bone Meal and Fertilizer  
 Oregon Box & Mfg. Co., 1144 Macadam, Portland—Lumber and Boxes  
 Oregon Brass Works, Front and Flinders, Portland—Foundry  
 Oregon Casket Co., 101 N. 5th, Portland—Caskets  
 Oregon Cement Pipe & Tile Co., Grants Pass—Cement Products  
 Oregon Chair Co., 1190 Macadam Road, Portland—Furniture  
 Oregon City Creamery, Oregon City—Creamery  
 Oregon City Foundry, Oregon City—Foundry  
 Oregon City Ice & Cold Storage Co., Oregon City—Ice  
 Oregon City Lath Co., Oregon City—Lath  
 Oregon City Mfg. Co., Oregon City—Men's Shirts, Blankets, Garments and Woolen Goods  
 Oregon Cooperage Co., Portland, Box 156—Barrels and Casks  
 Oregon Creamery Co., 130 2nd, Portland—Creamery  
 Oregon Door Co., Ft. of Spokane Ave., Portland—Lumber, Sash and Doors  
 Oregon Engraving Co., Pittock Bldg., Portland—Advertising Cuts and Engravings  
 Oregon Export Lumber Co., Marshfield—Lumber  
 Oregon Fan Belt & Mfg. Co., 142½ 2nd, Portland—Belting and Leather  
 Oregon Flax Fiber Co., Turner—Flax Fiber  
 Oregon Foundry Co., 60 Stark, Portland—Foundry  
 Oregon Gas & Electric Co., Medford—Gas  
 Oregon Granite Co., Medford—Granite and Marble  
 Oregon Handle Mfg. Co., Newberg—Handles  
 Oregon Iron & Steel Co., Oswego—Foundry  
 Oregon Knee Co., Brownsville—Lbr  
 Oregon Knitting Mills, 213 3rd, Portland—Knitwear, Sweaters and Bathing Suits  
 Oregon Lumber Co., 1012 Yeon Bldg., Portland—Lumber and Boxes  
 Oregon Macaroni Mfg. Co., 67 E. 8th, Portland—Macaroni, Noodles, Vermicelli and Spaghetti  
 Oregon Milk Producers Corp., 32 N. 5th, Portland—Creamery  
 Oregon Milling & Warehouse Co., Independence—Flour and Feed  
 Oregon Mirror & Beveling Works, 103 N. 5th, Portland—Mirrors, Windshield Plates and Headlights  
 Oregon Packing Co., 420 E. Alder, Portland—Pickles, Sauerkraut, ned Fruit and Vegetables  
 Oregon Paper Box Factory, 245½ Stark, Portland—Paper Boxes  
 Oregon Portland Cement Co., Oswego—Cement  
 Oregon Press Co., 320 Davis, Portland—Printing and Bookbinding  
 Oregon Pulp & Paper Co., Salem—Paper  
 Oregon Ship Timber Mills, Linnton Station, Portland—Lumber  
 Oregon Table Co., Lewis and Loring, Portland—Furniture  
 Oregon Tie & Lumber Co., Monroe—Lumber  
 Oregon Wood Products Co., Salem—Handles  
 Oregon Worsted Co., Umatilla Ave. and 27th, Portland—Worsted Yarns and Fabrics  
 Oretown Cheese Factory, Oretown—Cheese  
 Orewiller & McCauley, Bend—Lumber  
 Ornamental Stone Works, 346 E. 34th, Portland—Granite and Marble  
 Orwood Box Co., Ft of Curry, Portland—Boxes  
 Oshkosh Lumber Co., Mabel—Lumber  
 Oswego Lake Water, Light & Power Co., Oswego—Electricity  
 Otis Elevator Co., 13th and Burnside, Portland—Elevators  
 Overholser Lumber Co., Cottage Grove—Lumber  
 Overmire Steel Construction Co., E. Water and Hawthorne Ave., Portland—Boilers and Steel Tanks  
 P. & D. Lumber Co., Corvallis—Lbr  
 Pacific Asbestos & Supply Co., 311½ Front, Portland—Asbestos Products  
 Pacific Baking Co., 230 Burnside, Portland—Bakery  
 Pacific Blow Pipe Co., 116 E. 11th, Portland—Sheet Metal  
 Pacific Brass & Steel Foundry, 252 E. 6th, Portland—Foundry  
 Pacific Car & Foundry Co., 219 E. 60th, Portland—Boilers and Steel Tanks  
 Pacific Coast Biscuit Co., 12th and Davis, Portland—Biscuits, Crackers and Candy  
 Pacific Coast Cone Co., 22 E. 8th, Portland—Ice Cream Cones  
 Pacific Coast Sawmill Co., Kenton Station, Portland—Lumber  
 Pacific Coast Stamp Works, 63 Broadway, Portland—Rubber Stamps  
 Pacific Coast Syrup Co., 24 N. Front, Portland—Syrup  
 Pacific Cooperage Co., 20th and York, Portland—Barrels and Casks  
 Pacific Development Society, Astoria—Printing and Bookbinding

## MANUFACTURERS IN OREGON—Continued

- Pacific Face Brick Co., Willamina—Brick and Tile  
 Pacific Grain Co., Joseph—Feed  
 Pacific Iron Works, E. 3rd and Burnside, Portland—Structural Steel and Foundry  
 Pacific Lime & Gypsum Co., Lime-Kilns—Lime  
 Pacific Marine Iron Works, E. Water and Main, Portland—Boilers and Steel Tanks  
 Pacific Market, 186 4th, Portland—Sausage  
 Pacific Metal Works of Oregon, 81 N. Park, Portland—Solder, Babbitt and Type Metals  
 Pacific Milling & Mfg. Co., St. Johns Station, Portland—Lumber  
 Pacific Potato Starch Co., Beaverton—Starch  
 Pacific Power & Light Co., Gasco Bldg., Portland—Gas and Electricity  
 Pacific Products Co., 1091 Thurman, Portland—Bone Meal and Shell Grinding  
 Pacific Soda Works, Oregon City—Beverages  
 Pacific Stationery & Printing Co., 107 Second, Portland—Printing and Bookbinding  
 Pacific Stoneware Co., Inc., 695 Sherlock Ave., Portland—Pottery  
 Pacific Tent & Awning Co., 1-3 N. 1st, Portland—Awnings and Tents  
 Pacific Wann Evaporating Co., Dallas—Dehydrated Fruits  
 Pacific Western Lumber Co., Glendale—Lumber  
 Paisley Flour Mill, Paisley—Flour and Feed  
 Paisley Lumber Co., Paisley—Lumber and Shingles  
 Palace Market, Bend—Sausage  
 Pallett Lumber Co., Divide—Lumber  
 Palm Olive Co., 20th and York, Portland—Cocoanut Oil  
 Palmer Lumber Co., The Geo., La Grande—Lumber and Boxes  
 Palmquist, E. F., Sandy—Shingles  
 Paolo Bros. Co., Gaston, R. 2—Lbr  
 Papenfus, R., Trent—Lumber  
 Paradise Orchard Farm, Sheridan—Beverages  
 Park & Son, Estacada—Lumber  
 Parker Bros., Airlie—Lumber  
 Parker & Hamaker, Lumber Co., Dairy—Lumber  
 Parker & Riddle Sawmill, La Grande—Lumber  
 Parker & Son, T. T., Airlie—Lumber  
 Parker Sawmill, J. M., Burns—Lumber and Shingles  
 Parkersburg Cheese Factory, Bandon—Cheese  
 Parson's Sawmill, Forest Grove—Lbr  
 Partridge, G. M., Monmouth—Brick and Tile  
 Pass Creek Lumber Co., Custin—Lbr  
 Peacock Mill Co., Freewater—Flour and Feed  
 Pearl, Elmer, Brownsville—Lumber  
 Pedro Vegas Cigar Co., Astoria—Cigars  
 Peerless Bakery, Salem—Bakery  
 Peerless Butter Co., 47 Front, Portland—Creamery  
 Pelican Bay Lumber Co., Klamath Falls—Lumber and Boxes  
 Pendleton Creamery Co., Pendleton—Creamery  
 Pendleton Marble Works, Pendleton—Granite and Marble  
 Pendleton Meat Co., Pendleton—Meat Packing  
 Pendleton Iron Works, Pendleton—Foundry  
 Pendleton Roller Mills, Pendleton—Flour and Feed  
 Pendleton Woolen Mills, Pendleton—Shirts and Woolen Goods  
 Peninsular Iron Works, St. Johns Station, Portland—Foundry  
 Peninsula Lumber Co., Ft. of McKenna, Portland—Lumber  
 Peoria Sawmill, Shedd—Lumber  
 Perfection Manufacturing Co., Corner Macadam and Admiral Ave., Portland—Ice Cream Cones  
 Perkins & Stanton, Forest Grove—Lbr  
 Perrone, L. A., Broadbent—Lumber  
 Perry Veneer Co., Bandon—Veneer and Boxes  
 Perrydale Flouring Mill, Perrydale—Flour and Feed  
 Peters & Moseby, Cottage Grove—Lumber  
 Peterson, E. E., Seaside—Ice  
 Pettit Feather & Bedding Co., York and Guild, Portland—Mattresses  
 Peyree & Jacobs, Twin Rocks—Boxes  
 Phelps, O. B., Enterprise—Boxes  
 Pheneger Lumber Co., P. W., Ft. Klamath—Lumber  
 Phez Co., The, Salem—Jams, Jellies, Beverages, Cider and Ice  
 Phillips Lumber Co., Dufur—Lumber  
 Philomath Lumber Co., Philomath—Lumber  
 Phillips Mill, Cottage Grove—Lbr  
 Phoenix Iron Works, E. 3rd and Hawthorne Ave., Portland—Steel Tanks and Foundry  
 Pickett & Sons, J. R., Azalea—Lbr  
 Piedmont Lumber Co., Falls City—Lumber  
 Pietrok & Bentz, Scio, R. 2—Lumber  
 Pike Tent & Awning Co., 107 N. 3rd, Portland—Awnings and Tents  
 Pine Box Co., Grants Pass—Boxes  
 Pine Valley Herald, Halfway—Printing and Bookbinding  
 Pioneer Boat Yard, Marshfield—Boats  
 Pioneer Flouring Mill, Island City—Flour and Feed  
 Pioneer Lumber Co., Elk City—Lbr  
 Pioneer Roller Feed Mill, Halfway—Feed  
 Pioneer Soda Works, Bend—Beverages  
 Pistol River Cheese Factory, Gold Beach—Cheese  
 Pittsburgh Lumber Co., Ruch—Lbr  
 Pleasant Valley Cheese Co., Hemlock—Cheese  
 Pleasant Valley Shingle Co., Hemlock—Lumber  
 Point Adams Packing Co., Hammond, Canned Fish  
 Pole Sawmill, Prairie—Lumber  
 Polk County Lumber Co., Ballston—Lumber  
 Pomeroy & Duncan, Marshfield—Myrtle wood Novelties

## MANUFACTURERS IN OREGON—Continued

- Port Oford Mill Co., Port Orford—Lumber and Shingles  
 Porter-Scarpelli Macaroni Co., Columbia Blvd., and Fenwick, Portland—Macaroni, Spaghetti, Etc  
 Porter's Sawmill, Prineville—Lumber  
 Portland Art Glass Co., Inc., 543 Madison, Portland—Art Glass  
 Portland Artificial Ice Co., 18th and Thurman, Portland—Ice  
 Portland Basket & Handle Co., 1321 Macadam, Portland—Baskets  
 Portland Boiler Works, 17th and Pettygrove, Portland—Boilers and Steel Tanks  
 Portland Bolt & Mfg. Co., 210 N. 14th, Portland—Bolts and Nuts  
 Portland Box & Excelsior Works, 1036 E. Broadway, Portland—Boxes  
 Portland Brewing Co., 627 Upshur, Portland—Cider and Beverages  
 Portland Broom Co., 945 Sandy Blvd., Portland—Brooms  
 Portland Brush & Broom Works, 109 Grand Ave., Portland—Brushes  
 Portland Cigar Box Mfg. Co., 668 Hood, Portland—Cigar Boxes  
 Portland Coffee Co., 11 First, Portland—Coffee  
 Portland Cordage Co., 14th & Northrup, Portland—Cordage  
 Portland Damascus Milk Co., 24th & Washington, Portland—Creamery  
 Portland Door & Window Co., 230 Front, Portland—Paints  
 Portland Electric Maintenance Co., 262 Madison, Portland—Plating  
 Portland Electrotype & Stereotype Co., 92 Front, Portland—Electrotypes and Stereotypes  
 Portland Elevator Co., 480 E Mill, Portland—Elevators  
 Portland Engraving Co., 167 4th, Portland—Advertising Cuts  
 Portland Evaporating Co., Portland—Dehydrated Fruits  
 Portland Flouring Mills, Board of Trade Bldg., Portland—Flour and Feed  
 Portland Furniture Mfg. Co., 1249 Macadam Road, Portland—Furniture and Mattresses  
 Portland Galvanizing Co., 22nd & Reed, Portland—Galvanizing  
 Portland Gas & Coke Co., Gasco Bldg., Portland—Gas and Briquets  
 Portland Iron Works, 14th & Northrup, Portland—Foundry  
 Portland Lath Mfg. Co., 72nd & Whitney, Portland—Lath  
 Portland Linseed Oil Co., 22nd & Sherlock Ave., Portland—Linseed Oil and Cakes  
 Portland Lumber Co., Ft. of Lincoln, Portland—Lumber  
 Portland Mfg. Co., St. Johns Station, Portland—Excelsior and Veneer  
 Portland Marble Works, 264 4th, Portland—Granite and Marble  
 Portland Ornamental Iron Works, 52 N. 9th, Portland—Ornamental Iron and Wire  
 Portland Oxygen & Hydrogen Co., E. 17th & Center, Portland—Electrolytic Oxygen and Hydrogen  
 Portland Paper Box Co., 93 Front, Portland—Paper Boxes  
 Portland Paper Package Co., E. 25th & Holladay Ave., Portland—Paper Boxes  
 Portland Pattern Works, 174 E. Water, Portland—Patterns, Wood and Metal Models  
 Portland Printing House Co., 388 Taylor, Portland—Printing and Book-binding  
 Portland Pulley Co., 441 E. 50th, Portland—Wood Pulleys  
 Portland Railway, Light & Power Co., Electric Bldg., Portland—Gas and Electricity  
 Portland Rubber Mills, Macadam & Nevada, Portland—Rubber Goods and Leather Belts  
 Portland Rug Co., E. 17th & Umatilla Ave., Portland—Rugs  
 Portland Salted Nut Co., Portland—Candy  
 Portland Sheet Metal Works, 429 E. Madison, Portland—Sheet Metal  
 Portland Shipbuilding Co., Ft. of Nebraska, Portland—Boats and Wood Ships  
 Portland Stove Works, Kenton Sta., Portland—Stoves and Ranges  
 Portland Tent & Awning Co., 220 Burnside, Portland—Awnings and Tents  
 Portland Trunk Mfg. Co., 60 3rd, Portland—Trunks, Traveling Bags and Suitcases  
 Portland Wire & Iron Works, 294 2nd, Portland—Ornamental Iron and Wire  
 Portland Woolen Mills, Ft. of W. Baltimore, Portland—Woolen Goods  
 Pound, H. F., Canyon City—Lumber  
 Povey Bros. Glass Co., 100 N. 5th, Portland—Art Glass  
 Powell's Sawmill, Rye Valley—Lbr  
 Powrie Bros., Drain—Lumber  
 Prairie Box Co., Prairie City—Boxes  
 Prairie City Co-operative Creamery Co., Prairie City—Creamery  
 Prairie Lumber Co., Prairie City—Lumber  
 Prairie Milling Co., Prairie City—Feed  
 Preston-Shaffer Milling Co., Athena—Flour and Feed  
 Prestograph Co., 7 First, Portland—Advertising Novelties  
 Prindle Sawmill, Fossil—Lumber  
 Prineville Flouring Mill, Prineville—Flour and Feed  
 Prosper Canning Co., Prosper—Canned Fish  
 Prosper Mill Co., Prosper—Lumber  
 Prouty Lumber & Box Co., Seaside—Lumber and Boxes  
 Pulliam & Rice, Clatskanie—Lumber  
 Purdin Bros., 180 Union Ave., Portland—Sheet Metal Stoves and Ash Cans  
 Puyallup & Sumner Growers Canning Co., Albany—Canned Fruit and Vegetables  
 Purity Bakery, Ontario—Bakery  
 Rainier Canning Co., Rainier—Canned Fruit and Vegetables  
 Rainier Creamery, Rainier—Creamery  
 Rasmussen & Co., 2nd & Yamhill, Portland—Paints and Varnish  
 Ratcliffe & Co., Woodburn—Feed

## MANUFACTURERS IN OREGON—Continued

- Raven Dairy Co, 174 4th, Portland—Creamery  
 Ray-Maling Co., Inc., Hillsboro—Canned Fruit and Vegetables  
 Ray & Mills, Vernonia—Lumber  
 Raymond Auto Wheel Works, 49 N. 9th, Portland—Auto Wheels  
 Red Clover Creamery Co., Tillamook—Cheese  
 Redmond Creamery, Redmond—Creamery  
 Red Crown Mills, Albany—Flour  
 Red Rock Dairy, Tigard—Cheese  
 Redmond Lumber & Produce Co., Redmond, Box 212—Feed  
 Redmond Pine Lumber Co., Redmond—Lumber  
 Redmond Warehouse Co., Redmond—Feed  
 Reed, H. F., Elgin—Lumber  
 Reedsport Creamery, Reedsport—Creamery  
 Reedsport Fish Co., Reedsport—Canned Fish  
 Reedsport Iron Works, Reedsport—Brass, Bronze, Iron and Steel Castings  
 Reedsport Lumber Co., Reedsport—Lumber  
 Reedsport Planing Mill Co., Reedsport—Lumber, Sash and Doors  
 Reesch & Co., Wm., Pendleton—Beverages  
 Reid, T. A., Estacada—Lumber  
 Reid & Fields, Fox—Lumber  
 Reid's Sawmill, Heppner—Lumber  
 Reiersen Machinery Co., 1295 Hood, Portland—Drag Saws  
 Reliance Wire & Iron Works, 52 Union Ave., Portland—Ornamental Iron and Wire  
 Renfrou, E. R., Paradise—Lumber  
 Richardson Gap Cheese Co., Scio, R. 3—Cheese  
 Ridehalgh & Co., Bay City—Canned Fish  
 Ridge Lumber Co., Marmot—Lumber  
 Ritter Flour Mill, Ritter—Flour  
 Ritter Sawmill, Ritter—Lumber  
 River Banks Creamery, Grants Pass—Creamery  
 Robbins Mill, Reece H., Dallas—Lbr  
 Roberts Bros., Templeton—Cheese  
 Roberts, Guy, Toledo—Lumber  
 Roberts, N. E., Corvallis—Lumber  
 Roberts Sawmill, Wallowa—Lumber  
 Robertson & Mason, Columbia City—Lumber  
 Robb's, H. A., Dallas—Lumber  
 Rock Creek Cheese Factory, Otis—Cheese  
 Rock Creek Sawmill, Antonne—Lbr  
 Rockaway Spruce Co., Rockaway—Lumber  
 Rodgers Paper Co., Salem—Printing and Bookbinding  
 Rodlun & Johnson, Boring—Lumber  
 Roesch, Julius, La Grande—Beverages  
 Rogers, J. R., 90 First, Portland—Printing and Bookbinding  
 Rogers, W. F., Bandon—Foundry and Patterns  
 Rogue River Agate Co., Ashland—Agate Products  
 Rogue River Broom Works, Medford—Brooms  
 Rogue River Valley Canning Co., Medford—Cider, Canned Fruit and Vegetables  
 Rogue River Valley Cigar Works, Medford—Cigars  
 Rogue Valley Milling Co., Medford—Flour and Feed  
 Rose City Flour Mills, St. Johns Sta., Portland—Flour and Feed  
 Roseburg Dairy & Soda Works, Roseburg—Beverages  
 Roseburg Ice Co., Roseburg—Ice  
 Rosecrans & Winney, Corvallis—Lbr  
 Rosenbaugh, W. W., Salem—Furnaces  
 Ross Mill Furnishing Co., J. J. 61 Front, Portland—Flour Mill Furnishings  
 Ross & Son, Henry, 386 E. Stark, Portland—Candy  
 Ross, Thomas, Banks—Lumber  
 Rotary Bread Stores, 210 Yamhill, Portland—Bakery  
 Royal Bakery & Confectionery Co., 11th & Everett, Portland—Bakery  
 Royal Nut Mfg. Co., 42½ E. 28th, North Portland—Peanut Butter  
 Rupert & Co., A., Worcester Bldg., Portland—Canned Fruit and Vegetables  
 Russ Mill, Medford—Feed  
 Russell & Gilbert Co., 777 Holladay Ave., Portland—Candy  
 Russell Sawmill, Prineville—Lumber  
 Ryan-Allen Lumber Co., Sheridan—Lumber  
 Ryder Bros., Baker—Printing and Bookbinding  
 Salem Baking Co., Salem—Bakery  
 Salem Iron Works, Salem—Foundry  
 Salem Kings Food Products Co., Salem—Dehydrated Fruits and Vegetables  
 Salem Sewer Pipe Co., Salem—Cement Products  
 Salem Tile & Mercantile Co., Salem—Brick and Tile  
 Samo Bottling Works, Baker—Beverages  
 Sales, W. H., Mohler—Shingles  
 Sallee & Inman, Elmira—Lumber  
 Salmon River Cheese Factory, Rose Lodge—Cheese  
 Sanborn Cutting Co., Astoria—Canned Fish  
 Sand Lake Creamery, Sand Lake—Cheese  
 Sandy Creamery, Sandy—Creamery  
 Sandy Lumber Co., Cherryville—Lbr  
 Santiam Woolen Mills, Stayton—Woolen Goods  
 Sawyer-Holmes Mercantile Co., La Grande—Feed  
 Scappoose Lumber Co., Scappoose—Lumber  
 Schafer, Fred, Molalla—Lumber  
 Schanen Marble Works, N. A., 297 Hawthorne Ave., Portland—Granite and Marble  
 Schellenberg, F. F., Grants Pass—Lumber  
 Schempp's Chop Mill, Heppner—Feed  
 Schmaltz & Son, M., Mt. Angel—Feed  
 Schmidt Co., Frank, 181 E. 8th, Portland—Lumber, Sash and Doors  
 Schmidt & Co. Inc., S., Astoria—Fish Packing

## MANUFACTURERS IN OREGON—Continued

- Schmidt Lumber Co., Warrenton—Lbr  
 Schooner Creek Cheese Factory, Taft—Cheese  
 Schott Bros & Kingsley, Elmira—Lumber  
 Schrivner, J. N., Mulino, R. 1—Lbr  
 Schroeder & Aason Lumber Co., Coquille—Lumber  
 Schultz, A. W., Dairy—Lumber  
 Schultz Food Co., Forest Grove—Meat Packing  
 Schumann Granite & Marble Works, Otto, 39 E. 3rd, Portland—Granite and Marble  
 Schwab Commission Co., Fred, Mt. Angel—Feed  
 Schwab Printing Co., 245½ Stark, Portland—Printing and Bookbinding  
 Scio Logging & Lumber Co., Scio—Lumber  
 Scio Milling Co., Scio—Flour and Feed  
 Scott Bros., Sawmill, Minam—Lumber  
 Scott Flour Mill, Chas., Scotts Mills—Flour  
 Scott, W. R., Halsey, R. 2—Lumber  
 Scow Bay Iron & Brass Works, Astoria—Castings, Brass, Iron and Steel  
 Seaborg Packing Co., Gold Beach—Canned Fish  
 Seaside Shingle Co., Seaside—Shingles  
 Senders & Co., M., Albany—Feed  
 Senner, C. J., Yamhill—Lumber  
 Senz Bros., Scio, R. 1—Lumber  
 Seufert Bros. Cannery, The Dalles—Canned Fish, Fruit and Vegetables  
 Sevcik Bros. Mill, New Era—Flour and Feed  
 Shaffer Copper Works, 22nd & Reed, Portland—Vats and Copper Pipe  
 Shannon & Walters, Eugene—Lumber  
 Sharkey & Son, P., 53 Union Ave., Portland—Saddlery, Harness and Collars  
 Shaver, L. A., Molalla—Feed  
 Shawmada Lumber Co., Yamhill, R. 1—Lumber  
 Shelburn Creamery, Shelburn—Creamery  
 Sheppard, F. A., Imnaha—Lumber  
 Sheridan Box Factory, Sheridan—Boxes  
 Sheridan Creamery, Sheridan—Creamery  
 Sheridan Light & Power Co., Sheridan—Electricity  
 Sherman Lumber Co., Gaston—Lbr  
 Shevlin-Hixon Co., Bend—Lumber  
 Sash and Doors and Boxes  
 Shirek & Sons Co., 311 Pine, Portland—Men's Shirts  
 Shiria, A. E., Sutherlin—Boxes  
 Shofner Iron Works, Rainier—Foundry  
 Shope Brick Co., D. F., 470 E. 8th, Portland—Brick and Tile  
 Shot Gun Lumber Co., Mabel—Lbr  
 Shurek & Co., Morris L., Acorn Bldg., Portland—Cloaks and Suits  
 Sidney Power Co., Jefferson, R. 1—Flour and Feed  
 Sigel Mfg. Co., 382 Washington, Portland—Blouses, House Dresses and Aprons  
 Siletz Bay Lumber Co., Siletz—Lumber, Lath and Shingles  
 Siletz Lumber & Logging Co., Hoskins—Lumber  
 Siletz Spruce Co., Philomath—Lbr  
 Siletz Valley Lumber Co., Siletz—Lbr  
 Silver Falls Timber Co., Silverton—Lumber  
 Silverton Blow Pipe Co., Silverton—Sheet Metal  
 Silverton Creamery & Ice Co., Silverton—Creamery and Ice  
 Silverton Food Products Co., Silverton—Canned Fruits and Vegetables  
 Silverton Foundry Co., Silverton—Foundry  
 Silverton Lumber Co., Silverton—Lbr  
 Simmons Co., The, 1186 Macadam Rd., Portland—Metal Furniture and Fixtures  
 Simonds Mfg. Co., 85 1st, Portland—Saws  
 Simpson, John, Albany, R. 3—Lbr  
 Siuslaw Creamery Co., Acme—Creamery  
 Skaggs & Son, Blodgett—Lumber  
 Skidmore Mill Co., Hoff—Lumber  
 Slide Creek Mill, Long Creek—Lbr  
 Slyter & Eckerson, Molalla—Lumber  
 Small, W. J., Lyons, R. 1—Lumber  
 Small & Urle, Tillamook—Canned Fish  
 Smith Bros., Barney—Lumber  
 Smith & Co., Wallows—Lumber  
 Smith, Harry, Grants Pass—Lumber  
 Smith, Jerome, Scappoose—Lumber  
 Smith Lumber Co., Umpqua—Lumber  
 Smith Sawmill, E. B., Salem, R. 2—Lumber  
 Smith Sawmill, Oscar, North Powder—Lumber  
 Smith Packing Co., Baker—Sausage, and Meat Packing  
 Smith Printing Co., W. O., Klamath Falls—Printing and Bookbinding  
 Smith & Watson Iron Works, 412 Front, Portland—Boilers, Tanks and Foundry  
 Smith & Wilson, Salem—Lumber  
 Smithfield Co-Operative Exchange, Dallas, R. 1—Feed  
 Snider & Laughlin, Yamhill—Lumber  
 Snider & Sons, W. L., Clatskanie—Shingles  
 Snodgrass & Son, Mulino—Shingles  
 Soda Fountain Supply Syndicate Co., Portland—Beverages  
 Sohm Washing Machine Factory, 660 E. 17th, Portland—Washing Machines  
 South Portland Shingle Co., 1350 Macadam, Portland—Shingles  
 South Prairie Creamery, Tillamook—Cheese  
 Southern Oregon Lumber Co., Medford—Lumber  
 Southwick, M., Hoff—Lumber  
 Spalding Bros., Wonder—Lumber  
 Spaniol Sweets, 205 4th, Portland—Candy  
 Sparlin-Biglow & Adkins, Provolt—Lumber  
 Spath, O. T., Sherwood, R. 3—Lbr  
 Spaulding Logging Co., Chas. K., Oregonian Bldg., Portland—Silos, Sash and Doors, Lumber and Boxes  
 Specialty Foundry & Machine Works, 240 E. 7th, Portland—Foundry  
 Splers & Sons, E. Goldson—Lumber  
 Sprague River Lumber Co., Chiloquin—Lumber

## MANUFACTURERS IN OREGON—Continued

- Spring Grove Flour Mill, Paisley—Flour  
 Springbrook Canning Co., Springfield—Canned Fruit and Vegetables  
 Springfield Creamery, Springfield—Creamery  
 Springfield News, Springfield—Printing and Bookbinding  
 St. Helens Co-Operative Creamery Co., St. Helens—Creamery  
 St. Helens Flour Mill, St. Helens—Flour and Feed  
 St. Helens Lumber Co., St. Helens—Lumber  
 St. Helens Shipbuilding Co., St. Helens—Boats and Wood Ships  
 St. Johns Ice & Cold Storage Co., 714 Dawson, Portland—Ice  
 St. Johns Lumber Co., Ft. of W. Burlington, Portland—Lumber  
 St. Johns Planing Mill Co., St. Johns Station, Portland—Sash and Doors and Lumber  
 St. Johns Review, 404 N. Jersey, Portland—Printing and Bookbinding  
 St. Paul Creamery, St. Paul—Creamery  
 St. Paul Flour Mill, St. Paul—Flour and Feed  
 Stadelman Ice Co., The Dallas—Ice  
 Stafford Lumber Co., Springfield—Lumber  
 Staiger, Chas., Sublimity—Lumber  
 Standard Box & Lumber Co., Buxton—Lumber  
 Standard Brick & Tile Co., Hillsdale, R. 1—Tiles and Brick  
 Standard Broom Co., Inc., 73rd & Glisan, Portland—Brooms  
 Standard Factory No. 2, E. Taylor & Grand Ave., Portland—Overalls and Men's Shirts  
 Standard Lumber Co., Hood River—Lumber  
 Standard Shingle Co., Buxton—Shingles  
 Standard Soda Works., McMinnville—Beverages  
 Stanfield Cheese Factory, Stanfield—Cheese  
 Staniford, Ed., Elam—Lumber  
 Stanwood Lumber Co., R. L., Brownsville—Lumber  
 Star Bottling Works, Salem—Beverages  
 Star Flouring Mills, The, McMinnville—Flour and Feed  
 Star Shingle Co., Rainier—Lumber and Shingles  
 Starr Fruit Products Co., 321 E. Yamhill, Portland—Canned Fruit and Vegetables  
 Statesman Publishing Co., Salem—Printing and Bookbinding  
 Stay Round Silo Co., Portland—Portable Buildings  
 Stayton Cement Works, Stayton—Cement Products  
 Stayton Cheese Factory, Stayton—Cheese  
 Stayton Flouring Mill, Stayton—Flour  
 Stearns-Hollingshead Co., E. 17th & Sandy Blvd., Portland—Candy  
 Stefani, A., Canby—Lumber  
 Stehman, Dean, Rainier—Shingles  
 Steiger, J. J., Chiloquin—Lumber  
 Stein & Shire, Zumwalt—Lumber  
 Stein's Bakery, 325 N. 16th, Portland—Bakery  
 Steinbach Machine Shop, Tillamook—Foundry  
 Sterling Bakery, 251 Morrison, Portland—Bakery  
 Sterling Feed Co., D., Cottage Grove—Feed  
 Sterling Food Products Co., Inc., 1122 Macadam, Portland—Vinegar, Pickles, Sauerkraut, Canned Fruit and Vegetables  
 Sterling Warehouse & Feed Mill, Lebanon—Feed  
 Sterrett Packing Co., Kenton Station, Portland—Bone Meal, Shell Grinding and Fertilizer  
 Stettler Mfg. Co., F. C., Oregon & Occident, Portland—Paper Boxes  
 Stevens, J. H., La Grande—Beverages  
 Stevens & Farris Lumber Co., Watonton—Lumber  
 Stevens Planing Mill, Astoria—Lumber, Sash and Doors  
 Stevenson Lumber Co., Koler—Lbr  
 Stewart, A. G., Grande Ronde—Lbr  
 Stewart, Claud R., Prineville—Lbr  
 Stewart Bros., 271 Pine, Portland—Loggers Equipment  
 Stobie Sawmill, Camas Valley—Lbr  
 Stoddard Lumber Co., Baker—Lumber, Boxes, Sash and Doors  
 Stolz Co., Gideon, Salem—Cider, Vinegar, Pickles, Beverages  
 Stonelake, John, Astoria—Boats  
 Stover Lumber Co., L. H., Union—Lumber  
 Stradavara Phonograph Co., 104 E. Broadway, Portland—Phonograph  
 Strawberry Mill, Prairie—Lumber  
 Stroud & Davis, Beaverton—Lumber  
 Sturm Dumbwaiter & Elevator Co., 289 Union Ave., Portland—Elevators  
 Sugarloaf Cheese Factory, Gravel Ford—Cheese  
 Sugar Pine Lumber Co., Kerby—Lbr  
 Summit Lumber Co., Blodgett—Lbr  
 Sumner Furniture Mfg. Co., 40 Union Ave., Portland—Furniture  
 Sun-Meen Co., 63 N. 4th, Portland—Noodles  
 Sunrise Milk Products Co., North Bend—Milk Condenser  
 Sunset Creamery, 1st & Main, Portland—Creamery and Ice Cream  
 Super Shingle Co., Lebanon—Shingles  
 Swan Lake Lumber Co., Klamath Falls—Lumber  
 Sweeney, Varney & Straub, 152 Park, Portland—Printing and Bookbinding  
 Swetland & Son, 269 Morrison, Portland—Candy  
 Swetland Fruit Juice Co., 181 Holladay, Portland—Cider, Candy and Ice Cream  
 Swift & Co., North Portland—Fertilizer, Bone Meal, Meat Packing and Oleomargarine  
 Swiss Cheese Factory, Stanfield—Cheese  
 Swope, E., Molalla—Lumber  
 Szviel, F. J., 68 1st, Portland—Wood Patterns

## MANUFACTURERS IN OREGON—Continued

- Talbot Soda Works, Tillamook—Beverages  
 Tallant-Grant Packing Co., Astoria—Canned Fish  
 Taylor Sawmill, G. B., Gurdane—Lbr  
 Teal, C. O., Falls City—Lbr  
 Teal & Stevens Lumber Co., Falls City—Lumber  
 Teasel Creek Co., Molalla—Lumber  
 Temple, O. H., Lebanon—Lumber  
 Templeman, E. T., Oakridge—Lumber  
 Ten Mile Lumber Co., Lakeside—Lbr  
 Terminal Ice & Cold Storage Co., 3rd & Hoyt, Portland—Ice  
 Terry & Judd, Lakeside—Lumber  
 The Dalles Kings Products Co., The Dalles—Dehydrated Fruits and Vegetables  
 The Dalles Soda Works, The Dalles—Beverages  
 Thielemann Cigar Factory, 375 N. 19th, Portland—Cigar  
 Thom, Ernest P., 6904 Foster Road, Portland—Lath  
 Thom & Ritchey, Lakeside—Lumber  
 Thomas, Amiel, Tualatin—Lumber  
 Thomas Bros., 260 Larrabee, Portland—Candy  
 Thomas Engineering Works, Ft. Richmond, Portland—Loggers Equipment  
 Thompson Bros & Co., Shedd—Feed  
 Thompson & Bullis, Milwaukie—Shingles  
 Thompson Flouring Mills, Shedd—Flour  
 Thorpe Bros., Sawmill, Jefferson—Lumber  
 Three C Lumber Co., Grants Pass—Sash and Doors  
 Three Rivers Creamery, Hebo—Cheese  
 Tichener Lumber Co., Clatskanie—Lumber  
 Tiedemann, A. L., Jefferson—Lumber  
 Tillamook Box Co., Bay City—Boxes  
 Tillamook Cheese Factory, Tillamook—Cheese  
 Tillamook Clay Works, Tillamook—Brick and Tile  
 Tillamook Creamery, Tillamook—Creamery  
 Timms, Cress & Co., 184 2nd, Portland—Paints  
 Todd & Owen, Molalla—Lath  
 Toledo Cannery, Toledo—Canned Fruit and Vegetables  
 Toledo Co-Operative Creamery, Toledo—Creamery  
 Toledo Planing Mill, Toledo—Lbr  
 Tomlin Box Co., Medford—Lumber and Boxes  
 Trent Sawmill, Richmond—Lumber  
 Triple-A Lumber Co., Wilbur—Lbr  
 Tri-State Terminal Co., Baker—Flour and Feed  
 Trowbridge Cabinet Works, Medford—Lumber, Cabinets and Fixtures  
 Troy Lumber Co., Troy—Lumber  
 Troy Roller Mills, Troy—Flour and Feed  
 Tru Blu Biscuit Co., E. 6th & Davis, Portland—Candy, Biscuits and Crackers  
 Trulinger, D. L., Mulino—Lumber  
 Trulinger, I. V., Mulino—Lumber  
 Tucker, R. L., Hillsboro—Lumber, Sash and Doors  
 Tuerck & Mackenzie Machine Co., 160 E. 3rd, Portland—Die Stamping  
 Tuft Lumber Co., Tiernan—Lumber and Shingles  
 Tullio De Nucci, 100 3rd, Portland—Cabinets and Fixtures  
 Tum-A-Lum Lumber Co., Prineville—Lumber  
 Turner, Walter, Birkenfeld—Shingles  
 Twentieth Century Bakery Co., 150 Page, Portland—Bakery  
 Two J. Soap Co., 323 Russell, Portland—Soap  
 Ukiah Light Plant, Ukiah—Electricity  
 Umatilla Flour & Grain Milling Co., Pendleton—Flour and Feed  
 Umpqua Fish, Storage & Supply Co., Gardiner—Fish Packing  
 Umpqua Mill Co., Reedsport—Shingles  
 Umpqua Valley Mills, Oakland—Flour  
 Underwood Lumber Co., Lakeview—Lumber  
 Union Fisherman Co-Operative Packing Co., Astoria—Canned Fish  
 Union Flouring Mills, Union—Feed  
 Union Mills, Mulino—Flour and Feed  
 Union Pine Lumber Co., Union—Boxes  
 United Manufacturing Co., 971 Sandy Blvd., Portland—Mattresses  
 United Sheet Metal Works, Ft. of E. Washington, Portland—Sheet Metal  
 United States Bakery, E. 11th & Flanders, Portland—Bakery  
 U. S. Signal Co., 504 Burnside, Portland—Auto Signals  
 Universal Bed Co., Vancouver Ave & Tillamook, Portland—Furniture  
 Universal Body Corporation, E. 29th and Sandy Blvd., Portland—Auto and Truck Bodies  
 Universal Nut Lock Co., 315 Hawthorne Ave., Portland—Spikes and Nut Locks  
 Upper Nestucca Cheese Factory, Blaine—Cheese  
 U. S. Mfg. Co., Ontario—Flumes and Culverts  
 Utility Garment Co., Inc., 167 1st, Portland—Women's and Children's Garments  
 V-Plex Piston Ring Co., Medford—Auto Rings  
 Vale Milling Elevator Co., Vale—Flour and Feed  
 Valentine Mfg. Co., Portland—Cabinets and Fixtures  
 Valley Creamery, La Grande—Creamery and Ice Cream  
 Valley Crest Lumber Co., Parkdale—Lumber  
 Valley Mfg. Co., Woodburn—Handles Valley View Flour Mills, Cove—Feed  
 Van Doren Canning Co., Salem—Canned Fruits and Vegetables  
 Van Lumber Co., Union—Lumber  
 Vaughan Motor Works, 475 E. Main, Portland—Drag Saws  
 Vaughan & Bester, Cushman—Lbr  
 Veal & Son, R., Albany—Furniture and Lumber  
 Veltum & Clow Mfg. Co., Eugene—Foundry  
 Victory Lumber Co., Beaver Creek—Lumber

## MANUFACTURERS IN OREGON—Continued

- Victor Mill, Halfway—Flour and Feed  
 Viking Baking Co., 505 E. Stark, Portland—Bakery  
 Vincent, Joseph, Rainier, R. 8—Shingles  
 Vincent-Taylor, Gaston—Lumber  
 Vogan Candy Co., E. 11th & Flanders, Portland—Candy  
 Von der Werth, W. H. & E., East End of Morrison Bridge, Portland—Boats  
 W. C. Planing Mill Co., The, Forest Grove—Lumber  
 Wade, Lee, Siletz—Lumber  
 Wade & Co., R. M., 322 Hawthorne Ave., Portland—Drag Saws  
 Wade's Sawmill, Cove—Lumber  
 Wadhams & Co., 4th & Oak, Portland—Coffee, Spices, Extracts, Baking Powder, etc.  
 Wadhams & Kerr Bros., 13th & Davis, Portland—Coffee, Spices, Extracts, Jellies, Syrups, Pickles, etc.  
 Waibel & Sons, Scotts Mills—Lumber  
 Wahkeena Furniture Mfg. Co., 441 E. Lombard, Portland—Furniture  
 Walla Walla Valley Canning Co., Freewater—Canned Fruits and Vegetables  
 Wallowa County Reporter, Enterprise—Printing and Bookbinding  
 Wallowa Milling & Grain Co., Lostine—Flour and Feed  
 Wallowa Roller Mills, Wallowa—Flour and Feed  
 Wallowa Valley Creamery, Wallowa—Creamery  
 Walsh Electric Co., M. J., 75½ N. 10th, Portland—Electric Fixtures  
 Walters Flour Mills, Pendleton—Flour and Feed  
 Walton & Walton, Portland—Plating  
 Wamic Lumber Co., Wamic—Lumber  
 Wanless, A. V., Manning—Lumber  
 Warner, C. E., Fall Creek—Lumber  
 Warner Bros., Fall Creek—Lumber  
 Warner & Rapp, Crawfordville—Lbr  
 Warren Packing Co., Warrendale—Canned Fish  
 Warrenton 'Clam Co., Warrenton—Canned Fish  
 Warrenton Lumber Co., Warrenton—Lumber  
 Wasco Lumber Co., Dufur—Lumber  
 Wasco Pine Box Lumber Co., Friend—Lumber  
 Wasco Warehouse Milling Co., The Dalles—Flour and Feed  
 Washburn, S. J., The Dalles—Cigars  
 Wascho Lumber Co., Sherwood—Lbr  
 Wassell Packing Corporation, 1634 E. 13th, Portland—Cider, Canned Fruits and Vegetables  
 Waterbury's Mill, Long Creek—Lbr  
 Waterman, A. F., Bancroft—Lbr  
 Waterproof Garment Co., 82½ 5th N., Portland—Men's and Women's Waterproof Garments  
 Watt Marble Works, The Dalles—Granite and Marble  
 Watt Shingle Co., Twin Rocks—Lath and Shingles  
 Weatherly Ice Cream Co., E. 7th & Salmon, Portland—Ice Cream  
 Weatherspoon & Son, W., Halfway—Lumber  
 Weaver, D. P., Scio—Lumber  
 Weaver & Cleveland, Scio, R. 4—Lbr  
 Weber Tanning Co., 1712 Macadam Road, Portland—Tannery  
 Wedderburn Cheese Factory, Wedderburn—Cheese  
 Wedderburn Trading Co., Wedderburn—Fish Cannery and Lumber  
 Weddle, A. L., Sweet Home—Lumber  
 Weeks & Burchfield, McMinnville—Lumber  
 Weinhard Plant, H., 475 Burnside, Portland—Beverages and Vinegar  
 Weis Bros., Blodgett—Lumber  
 Weiss & Son Lumber Co., J. M., Hemlock—Lumber  
 Wellman Bros., Scotts Mills—Lbr  
 Welsh, Francis, Oregon City—Lbr  
 Welter & Son, Wonder—Lumber  
 Wenstrom Sawmill, Laurel, R. 2—Lumber  
 Wentworth & Irwin, Inc., 2nd & Taylor, Portland—Auto and Truck Bodies  
 West Beaver Shingle Mill, Hemlock—Shingles  
 West Coast Box & Lumber Co., North Portland—Boxes  
 West Coast Engraving Co., Portland Commonwealth Bldg., Portland—Advertising Cuts, Half Tones, etc.  
 West Oregon Lumber Co., Linnton Station, Portland—Lumber  
 West Side Lumber Co., Lakeview—Lumber  
 West Side Pattern Works, Ft. of Stark, Portland—Patterns  
 Westerfield & Stone, McMinnville—Printing and Bookbinding  
 Western Cooperage Co., 1233 N. W. Bank Bldg., Portland—Barrels and Casks  
 Western Electric Works, 213 6th, Portland—Electric Switchboards and Panels  
 Western Fixture & Show Case Co., 16th & Jefferson, Portland—Cabinets and Fixtures  
 Western Fluff Rug Co., 54 Union Ave., N., Portland—Rugs  
 Western Foundry Co., 626 Hood, Portland—Foundry  
 Western Lumber & Export Co., Cottage Grove—Lumber  
 Western Lumber Mfg. Co., Marshfield—Veneer  
 Western Newspaper Union, 65 Front, Portland—Electrotypes and Stereotypes  
 Western Oregon Handle Co., 933 Sandy Blvd., Portland—Handles  
 Western Reduction Co., 24th & Nicolai, Portland—Electric Smelters  
 Western Soda Works, 204 Mill, Portland—Beverages  
 Western Spar Co., North Portland—Ship Spars  
 Western Structural Steel & Tank Co., E. 63rd & Halsey, Portland—Boilers and Steel Tanks  
 Western Tool & Dye Works, 109 N. 3rd, Portland—Dies and Stamping  
 Western Waste Co., 1540 Macadam, Portland—Waste and Jute  
 Western Waxed Paper Co., North Portland—Waxed Paper

## MANUFACTURERS IN OREGON—Continued

- Westfall Lumber Co., L. G., The Dalles—Lumber  
 Westfall Sawmill, Westfall—Lumber  
 Weston Milling Co., Weston—Flour and Feed  
 Westport Lumber Co., Westport—Lumber and Lath  
 Wheeler Bros., Trent—Lumber  
 Wheeler Bros. & Durall, Siletz—Lbr  
 Wheeler, C. H., Timber—Lumber  
 Wheeler, L. A., Friend—Lumber  
 Wheeler Lumber Co., Wheeler—Lbr  
 Wheeler Mfg. Co., Wheeler—Shingles  
 Wheeler United Lumber Co., Wheeler—Lumber  
 White Clover Cheese Factory, Otis—Cheese  
 White Clover Ice Cream Co., 505 E. Burnside, Portland—Ice Cream  
 White Palace Bakery, 207 4th, Portland—Bakery  
 White & Son, D. A., Salem—Feed  
 White & Stegemen, Hoff—Shingles  
 Whitney Lumber Co., Garibaldi—Lbr  
 Wiesner, J. C., McMinnville—Cigars  
 Wightman Co., Geo. E., 90 11th, Portland—Soap  
 Wiley, R. B., Lebanon—Lumber  
 Wilhelm & Sons, A., Monroe—Flour  
 Wilkinson Lumber Co., 1793 Derby, Portland—Cabinets and Fixtures  
 Willamette Box and Lumber Co., Linnton Station, Portland—Boxes  
 Willamette Dairy, 483 Union Ave., Portland—Creamery  
 Willamette Iron & Steel Works, 462 N. Front, Portland—Boilers and Steel Tanks  
 Willamette Pacific Lumber Co., North Bend—Veneer  
 Willamette Pattern Works, 201 E. Water, Portland—Patterns  
 Willamette River Lumber Co., Oregon City—Lumber  
 Willamette Valley Lumber Co., Dallas—Lumber  
 Willamina Electric Co., Willamina—Electricity  
 Willamina Handle Factory, Willamina—Handles  
 Williams Ave. Planing Mill, 831 Williams Ave., Portland—Lumber  
 Williams Bros., Burns—Lumber  
 Williams Bros., Portland—Bee Hives  
 Williams, C. D., Gaston, R. 1, Box 115—Lumber  
 Williams & Co., 371 Grand Ave., N., Portland—Horse Radish and Potato Chips  
 Willson Bros., Springfield—Lumber  
 Willow Creek Sawmill, Heppner—Lbr  
 Willowcraft Furniture Co., Orenco—Willow Furniture and Baskets  
 Wilson, Floyd, Blodgett—Lumber  
 Wilson Bottling Works, George, Merrill—Beverages  
 Wilson Lumber Co., G. W. Gaston—Lumber  
 Wilson Lumber Co., Enterprise—Lbr  
 Wilson Shipbuilding Co., Astoria—Boats and Wood Ships  
 Winans Sawmill, Dee—Lumber  
 Winchester Bay Lumber Co., Reedsport—Lumber  
 Wind Creek Sawmill, Junction City—Lumber  
 Wind River Lumber Co., Cascade Locks—Lumber and Shingles  
 Winkleman Bag & Burlap Co., 14th & Johnson, Portland—Bags and Burlap  
 Winkley's Creamery, Corvallis—Ice and Creamery  
 Winlock Sawmill, Winlock—Lumber and Shingles  
 Wirfs & Son, F. J., Buell—Lumber  
 Withers, C. L., Paisley—Electricity  
 Wood-Ewing Iron Works, 1371 Macadam, Portland—Foundry  
 Wolft & Son, Ben, 274 3rd, Portland—Cigars  
 Wood River Valley Creamery & Butter Ass'n., Ft. Klamath—Creamery  
 Woodard, A. L., Cottage Grove—Lbr  
 Woodburn Milling Co., Woodburn—Flour  
 Woods Iron Works, John, 461 E. Alder, Portland—Foundry  
 Woods & Son, 131 Union Ave., Portland—Cabinets and Fixtures  
 Wright & Son, Leslie, Enterprise—Lumber  
 Wyble & Mitchell, Merlin—Lumber  
 Yamhill Electric Co., Newberg—Electricity  
 Yamhill Milling Co., Sheridan—Flour  
 Yamhill Planing Mill, Yamhill—Lbr  
 Yamore Cannery, Yamhill—Canned Fruit and Vegetables  
 Yellow Fir Lumber Co., Tillamook—Lumber  
 Yocum & Sons, Estacada—Lumber  
 Yoder, A. L., Hubbard—Lumber and Feed  
 Yoran Printing Co., Eugene—Printing and Bookbinding  
 York Lumber Co., Tillamook—Lbr  
 Young, Z. F., Dora—Lumber  
 Young Shingle Mill, Bandon—Shingles  
 Zan Bros., Inc., 691 York, Portland—Brooms  
 Zeek, E. O., North Powder—Lumber  
 Zeek, Orland, Lebanon—Lumber  
 Zero Lumber Co., Blodgett—Lumber  
 Zimmerman Bros., Yamhill—Feed  
 Zysett, J. A., Jefferson—Lumber

## COMMODITY INDEX

## CLAY AND STONE

## BRICK, CLAY

Albany Brick & Tile Co., Albany  
 Arago Brick & Tile Co., Arago  
 Bend Brick & Lumber Co., Bend  
 Central Clay Products Co., Monmouth  
 Goffier Bros., Klamath Falls  
 Columbia Brick Works, 277 Hawthorne, Portland  
 Corvallis Brick & Tile Co., Corvallis  
 Denny-Renton Clay & Coal Co., Sherlock Ave. & 24th, Portland  
 Duke, J. H., Wilkesboro  
 Fairmont Brick & Tile Co., Monroe  
 Fisher, Chas., Milwaukie  
 Gleason Brick Co., Cottage Grove  
 Good Brick Yard, H. N., Donald  
 Groner & Rowell Co., Hillsboro, R. 2  
 Hoskins & DeSart, Donald  
 Kern Brick Co., L. E., 1027 Tillamook, Portland  
 La Grande Brick Yard, La Grande  
 McMinnville Brick & Tile Co., McMinnville  
 Mt. Angel Brick & Tile Co., Mt. Angel  
 North Yamhill Tile Works, Yamhill  
 Pacific Face Brick Co., Willamina  
 Salem Tile & Mercantile Co., Salem  
 Shope Brick Co., D. F., 470 E. 8th, Portland  
 Standard Brick & Tile Co., Hillsdale, R. 1  
 Tillamook Clay Works, Tillamook

## CEMENT

Beaver Portland Cement Co., Gold Hill  
 Oregon Portland Cement Co., Oswego

## CEMENT PRODUCTS

Acme Cement Plaster Co., Gypsum  
 Albany Sand & Gravel Co., Albany  
 Arrow Cement Laundry Tray Co., 695 E. 8th, Portland  
 Blackburn, H. J., 1400 Macadam, Portland  
 Builders Supply Co., Corvallis  
 Concrete Pipe Co., 410 River, Portland  
 Concrete Pipe Co., Ontario  
 Dondero, Chas. J., 242 E. 6th, Portland  
 Eaton Cement Works, Freewater  
 Eugene Concrete Works, Eugene  
 Harrisburg Concrete Works, Harrisburg  
 Medford Concrete Construction Co., Medford  
 National Vault Co., Portland  
 Oregon Cement Pipe & Tile Co., Grants Pass

Salem Sewer Pipe Co., Salem  
 Stayton Cement Works, Stayton

## GRANITE AND MARBLE

Blaesing Granite Co., 267 3rd, Portland  
 Blair Granite Quarry, Ashland  
 Fulton Park Marble Works, 95 Custer, Portland  
 National Fire Proof Lumber Co., Mt. Angel  
 Northwestern Granite Co., Haines  
 Oregon Granite Co., Medford  
 Ornamental Stone Works, 346 E. 34th, Portland  
 Pendleton Marble Works, Pendleton  
 Portland Marble Works, 264 4th, Portland  
 Schanen Marble Works, N. A., 297 Hawthorne Ave., Portland  
 Schumann Granite & Marble Works, Otto, 39 E. 3rd, Portland  
 Watt Marble Works, The Dalles

## KILNS, LIME

Pacific Lime & Gypsum Co., Lime

## POTTERY

Fisher, Chas., Milwaukie  
 Pacific Stoneware Co., Inc., 695 Sherlock Ave., Portland

## TILE, CLAY

Albany Brick & Tile Co., Albany  
 Arago Brick & Tile Co., Arago  
 Central Clay Products Co., Monmouth  
 Columbia Brick Works, 277 Hawthorne Ave., Portland  
 Corvallis Brick & Tile Works, Corvallis  
 Denny-Renton Clay & Coal Co., Sherlock Ave. & 24th, Portland  
 Fairmont Brick & Tile Co., Monroe  
 Goode Brick Yard, H. N., Donald  
 Groner-Rowell Co., Hillsboro, R. 2  
 Hoskins & DeSart, Donald  
 McMinnville Brick & Tile Co., McMinnville  
 Mt. Angel Brick & Tile Co., Mt. Angel  
 North Yamhill Tile Works, Yamhill  
 Pacific Face Brick Co., Willamina  
 Salem Tile & Mercantile Co., Salem  
 Shope Brick Works, D. F., 470 E. 8th, Portland  
 Standard Brick & Tile Co., Hillsdale, R. 1  
 Tillamook Clay Works, Tillamook

## FEED

Albany Mill & Elevator Co., Tangent  
 Albers Bros. Milling Co., N. Front & Pettygrove, Portland  
 Amity Seed & Grain Co., Amity  
 Astoria Flouring Mills, Astoria  
 Athena Chop Mill, Athena  
 Babcock Co., C. A., Railroad & Clark, Portland  
 Baker Mill & Grain Co., Baker  
 Barkus & Son, E. T., 87 S. Commercial, Salem  
 Bend Flour Mill, Bend

Benson, J. J., Dayton  
 Bergman Commission & Seed Co., Baker  
 Binder, Chas., Elkton  
 Boyd Roller Mills, Boyd  
 Boyer Hay & Grain Co., Sam, Harrisburg  
 Brey, Geo. E., Independence  
 Buchanan & Co., C. E., Hillsboro  
 (Plants at Cornelius, Hillsboro, McMinnville and North Plains)  
 Burlingham, E. F., Forest Grove

## FEED—Continued

Burns Flour Milling Co., Burns  
 Carlton Elevator & Mill Corporation,  
 Carlton  
 Carnation Milling Co., Forest Grove  
 Carson Flouring Mills, Carson  
 Cascade Flour Mill, Foster  
 Cash Grain Co., Ontario  
 Chehalem Valley Mills, Newberg  
 City Chop Mill, Adams  
 Cottage Grove Flour Mills, Cottage  
 Grove  
 Dallas Flouring Mills, Dallas  
 Diamond Flour Mills Co., The Dalles  
 Douglas County Flouring Mills, Rose-  
 burg  
 Echo Flour Mills, Echo  
 Elgin Flouring Mill Co., Elgin  
 Enterprise Mercantile & Mill Co., En-  
 terprise  
 Estacada Feed Co., Estacada  
 Eugene Mill & Elevator Co., Eugene  
 Fischer Flouring Mills, Corvallis  
 Fitzwater Warehouse & Feed Mill,  
 Lebanon  
 Fossil Milling Co., Fossil  
 Gresham Feed Mill, Gresham  
 Haines Feed Mill, Haines  
 Haines Flour Mill, Haines  
 Harttrampf Feed Mill, Forest Grove  
 Helix Chop Mill, Helix  
 Helix Milling Co., Helix  
 Heppner Farmers Elevator Co., Hepp-  
 ner  
 Highland Milling Co., Hood River  
 Hood, C. E., Wallowa  
 Imbler Milling Co., Imbler  
 Imlay, J. B., Reedville  
 Independent Warehouse & Milling Co.,  
 Wasco  
 Joseph Milling Co., Joseph  
 Josephine County Flour Mill, Grants  
 Pass  
 Knight, W. R., Corbett  
 La Grande Milling Co., La Grande  
 Lenhart, J. E., North Powder  
 Lexington Roller Mills, Lexington  
 Loughmiller, W. E., Silverton  
 Lucke, W. H., Canby  
 Lyon & Hunter, Springfield  
 Lyons Milling Co., Gaston  
 Madras Flour Mills, Madras  
 Malin Milling Co., Malin  
 Martin Bros., Klamath Falls  
 Maupin Milling Co., Maupin  
 Mayville Daisy Mills, Mayville  
 McNaught, C. S., Hermiston  
 Miller, O. H., Hubbard  
 Moody, W. H., Shaniko  
 Mulino Flour Mill, Mulino  
 North Powder Milling & Mercantile  
 Co., North Powder  
 Northwestern Roller Mills, Milton  
 Nyssa Flour Mills, Nyssa  
 O'Bryant Grain Co., Baker  
 Oregon Milling & Warehouse Co., In-  
 dependence (Plants at Independence  
 and Monmouth)  
 Pacific Grain Co., Joseph (Plant at  
 Joseph and Wallowa)  
 Paisley Flour Mill, Paisley  
 Peacock Mill Co., Freewater  
 Pendleton Roller Mills, Pendleton  
 Perrydale Flouring Mill, Perrydale  
 Pioneer Flouring Mill Co., Island City  
 Pioneer Roller Feed Mill, Halfway  
 Portland Flouring Mills, The Wilcox  
 Bldg., Portland (Plants at Oregon  
 City, Tangent and Metolius)  
 Prairie Milling Co., Prairie  
 Preston-Shaffer Milling Co., Athena  
 Prineville Flouring Mill, Prineville  
 Ratcliffe & Co., Woodburn  
 Redmond Lumber & Produce Co., Red-  
 mond, Box 212  
 Redmond Warehouse Co., Redmond  
 Rogue Valley Milling Co., Medford  
 Russ Mill, Medford  
 Sawyer-Holmes Mercantile Co., La  
 Grande  
 Schempp's Chop Mill, Heppner  
 Schmaltz & Son, N. Mt. Angel  
 Schwab Commission Co., Fred, Mt.  
 Angel  
 Scio Milling Co., Scio  
 Senders & Co., M., Albany  
 Shaver, L. A., Molalla  
 Smithfield Co-operative Exchange,  
 Dallas, R. 1  
 Star Flouring Mills, The, McMinn-  
 ville  
 Sterling Feed Co., D., Cottage Grove  
 Sterling Warehouse & Feed Mill,  
 Lebanon  
 Thompson Bros. & Co., Shedd  
 Tri-State Terminal Co., Baker  
 Troy Roller Mills, Troy  
 Umatilla Flour & Grain Co., Pendle-  
 ton  
 Union Flouring Mills Co., Union  
 Union Mills, Mulino  
 Vale Milling & Elevator Co., Vale  
 Valley View Flour Mills, Cove  
 Victory Mill, Halfway  
 Wallowa Milling & Grain Co., Lostine  
 (Plants at Lostine and Joseph)  
 Wallowa Roller Mills, Wallowa  
 Walters Flouring Mills, Pendleton  
 Wasco Warehouse Milling Co., The  
 Dalles  
 Weston Milling Co., Weston  
 White & Son, D. A., Salem  
 Wilhelm & Sons, A., Monroe  
 Yoder, A. L., Hubbard  
 Zimmerman Bros., Yamhill

## FOOD PRODUCTS

## BAKING POWDER

Closset & Devers, 1 N. Front, Port-  
 land  
 Edwards Dwight Co., 34 N. Front,  
 Portland  
 Gray, McLean & Percy, 113 N. 4th,  
 Portland  
 Wadhams & Co., 75 4th, Portland

## BEVERAGES, SOFT DRINK

Albany Fruit Juice Co., Albany  
 American Soda Works, 227 Larrabee,  
 Portland  
 Bagley Canning Co., Talent  
 Breck Fruit Juice Co., Portland  
 Celro-Kola Co., 105 12th, Portland  
 Commercial Cider Works, Salem

## FOOD PRODUCTS—Continued

Corvallis Soda Works, Corvallis  
 Dickinson & Co., Inc., Oswego  
 Enterprise Bottling Works, Enterprise  
 Eugene Bottling Co., Eugene  
 Featherston Products Co., Cornelius  
 Hood River Apple Vinegar Co., Hood River  
 Jones Bros. & Co., of Oregon, Portland (Plants at Newberg and Portland)  
 Kennedy Bottling Co., Marshfield  
 Martin Candy Co., Marshfield  
 Medford Soda Works, Medford  
 Mt. Hood Soda Water Works, 648 2nd Portland  
 Paradise Orchard Farm, Sheridan  
 Phez Co., The, Salem  
 Pioneer Soda Works, Bend  
 Portland Brewing Co., 627 Upshur, Portland  
 Reesch & Co., Wm., Pendleton  
 Rogue River Valley Canning Co., Medford  
 Roesch, Julius, LaGrande  
 Roseburg Dairy & Soda Works, Roseburg  
 Roseburg Ice Co., Roseburg  
 Sam-O Bottling Works, Baker  
 Soda Fountain Supply Syndicate Co., Portland  
 Standard Soda Works, McMinnville  
 Star Bottling Works, Salem  
 Stevens, J. H., La Grande  
 Stolz Co., Gideon, Salem  
 Swetland Fruit Juice Co., 181 Holladay, Portland  
 Talbot Soda Works, Tillamook  
 The Dalles Soda Works, The Dalles  
 Weinhard Plant, Henry, 475 Burnside, Portland  
 Western Soda Works, 204 Mill, Portland  
 Wilson, Geo., Bottling Works, Merrill

## BISCUITS, CRACKERS

Independent Cracker Co., 528 E. Davis, Portland  
 Pacific Coast Biscuit Co., 12th and Davis, Portland  
 Tru Blu Biscuit Co., E. 6th and Davis, Portland

## BREAD, BAKERY GOODS

American Bakery, Bend  
 American Bakery, 483 Williams Ave., Portland  
 Atlas Bakery, McMinnville  
 Bake-Rite Bakery, 251 Yamhill, Portland  
 Bake-Rite Sanitary Bread Co., 457 State, Salem  
 Bakers Bakery, Baker  
 Barkers Bread Co., 245 E. 21st, North, Portland  
 Bradley Pie Bakery, 64 Grand Ave., Portland  
 Cherry City Baking Co., Salem  
 City Bakery, Vale  
 Daily Bread Bakery, 123 Grand Ave., Portland  
 Davidson Bread Co., E. 22nd and Oregon, Portland  
 Federal System of Bakeries, 289 Washington, Portland

French Bakery Co., 507 6th, Portland  
 Haynes-Foster Bakery Co., 64 E. 7th, North Portland  
 Hohbach's Bakery, Pendleton  
 Hoover's Bakery, 557 E. 11th, Portland  
 La Grande Bakery, La Grande  
 Lambert Bakery, 185 3rd, Portland  
 Log Cabin Baking Co., 265 Ivy, Portland  
 Lohr's Bakery, 524 Milwaukie, Portland  
 Marshfield Baking Co., Marshfield  
 Model Bakery, Hood River  
 New York Bakery, E. 7th and Belmont, Portland  
 Oregon Bakery, The Dalles  
 Pacific Baking Co., 230 Burnside, Portland  
 Peerless Bakery, Salem  
 Purity Bakery, Ontario  
 Rotary Bread Stores, 210 Yamhill, Portland  
 Royal Bakery & Confectionery Co., 11th and Everett, Portland  
 Salem Baking Co., Salem  
 Stein's Bakery, 325 N. 16th, Portland  
 Sterling Bakery, 251 Morrison, Portland  
 Twentieth Century Bakery Co., 150 Page, Portland  
 Unites States Bakery, E. 11th and Flanders, Portland  
 Viking Bakery Co., 505 E. Stark, Portland  
 White Palace Bakery, 207 4th, Portland

## CANDY

Bakers Bakery, Baker  
 Crosby Candy Co., 224 Crosby, Portland  
 Hoefler, H. R., Astoria  
 Martin Candy Co., Marshfield  
 Pacific Coast Biscuit Co., 12th and Davis, Portland  
 Portland Salted Nut Co., Portland  
 Ross & Son, Henry, 386 E. Stark, Portland  
 Russell & Gilbert Co., 777 Holladay Ave., Portland  
 Spaniol Sweets, 205 4th, Portland  
 Stearns-Hollingshead Co., E. 17th and Sandy Blvd., Portland  
 Swetland & Son, 269 Morrison, Portland  
 Thomas Bros., 260 Larrabee, Portland  
 Tru Blu Biscuit Co., E. 6th and Davis, Portland  
 Vogan Candy Co., E. 11th and Flanders, Portland

## CANNERIES, FISH

Allen & Hendricksen Packing Co., Rainier  
 Alsea Fisherman's Canning Assn., Waldport  
 Barbey Packing Co., Hammond  
 Booth Fisheries Co., Astoria  
 Burke Fish Co., N. Front and Overton, Portland  
 Columbia River Fish Co., Astoria  
 Columbia River Packers Assn., Astoria  
 Coquille Cannery Co., Parkersburg

## FOOD PRODUCTS—Continued

Elmore Packing Co., Astoria (Plants at Astoria, Nehalem, Oretown and Taft)  
 Florence Canning Co., Florence  
 Gertulla, F. W., Siletz  
 Gold Beach Packing Co., Gold Beach  
 Marshfield Cannery, Marshfield  
 McGowan's Cannery, Warrendale  
 Point Adams Packing Co., Hammond  
 Prosper Canning Co., Prosper  
 Reedsport Fish Co., Reedsport  
 Ridehalgh & Co., Bay City  
 Sanborn Cutting Co., Astoria  
 Seaborg Packing Co., Gold Beach  
 Seufert Bros. Cannery, The Dalles  
 Small & Urie, Tillamook  
 Tallant-Grant Packing Co., Astoria  
 Union Fisherman Co-operative Packing Co., Astoria (Plants at Astoria and Wheeler)  
 Warren Packing Co., Warrendale  
 Warrenton Clam Co., Warrenton  
 Wedderburn Trading Co., Wedderburn

## CANNERIES, FRUIT AND VEGETABLE

Allen-Hendrickson Packing Co., Rainier  
 Ashland Preserving Co., Ashland  
 Bagley Canning Co., Talent  
 Baker City Packing Co., Baker  
 Brownsville Canning Co., Corvallis (Plants at Corvallis, Brownsville and Forest Grove)  
 Chandler & Son, Astoria  
 Columbia River Canning & Produce Co., St Helens  
 Cottage Grove Cannery, Cottage Grove  
 Dallas Canning Co., Dallas  
 Deming Packing Co., R. C. Estacada  
 Dickenson Co., Inc., Oswego  
 Drain Canning Co., Drain  
 Eagle Valley Cannery Co., New Bridge  
 Equity Queen Canning Co., Dayton (Plants at Dayton and Grand Island)  
 Eugene Fruit Growers Assn., Eugene (Plants at Creswell, Eugene, Junction City and Drain)  
 Farwest Canning Co., Astoria  
 Featherstone Products Co., Mohler  
 Forest Grove Fruit Growers' Assn., Forest Grove  
 Freewater Cannery, Freewater  
 Graves, Bert, Philomath  
 Graves Canning Co., Sheridan (Plants at Sheridan, Sherwood, Woodburn, Brownsville, Toledo and Philomath)  
 Gresham Home Products Co., Gresham  
 Hillsboro Cannery, Hillsboro  
 Holt, Chas., Laurel  
 Holt-Chase Canning Co., Inc., Myrtle Point  
 Hood River Canning Co., Hood River  
 Hunt Bros. Packing Co., Salem  
 Knight Packing Co., 474 E. Alder, Portland (Plant at Medford)  
 La Fayette Canning Co., La Fayette  
 Libby-McNeil & Libby, The Dalles  
 Norton, Frank J., Drain  
 Oregon Packing Co., 420 E. Alder, Portland (Plants at Clatskanie, Salem and Sutherlin)  
 Puyallup & Sumner Growers Canning Co., Albany

Rainier Canning Co., Rainier  
 Ray-Maling Co., Inc., Hillsboro, (Plants at Hillsboro and Junction City)  
 Rogue River Valley Canning Co., Medford  
 Rupert & Co., A., Worcester Bldg., Portland (Plants at Lebanon, Newberg, Roseburg, Gresham and Falls City)  
 Seufert Bros. Cannery, The Dalles  
 Silverton Food Products Co., Silverton  
 Springbrook Canning Co., Springbrook  
 Starr Fruit Products Co., 321 E. Yamhill, Portland  
 Sterling Food Products Co., Inc., 1122 Macadam, Portland  
 Toledo Canning Co., Toledo  
 Van Doren Canning Co., Salem  
 Walla Walla Valley Canning & Picking Co., Freewater  
 Wassell Packing Corporation, 1638 E. 13th, Portland  
 Yamore Cannery, Yamhill

## CEREALS

Albers Milling Co., N. Front and Pettygrove, Portland  
 Blydenstein & Co., Pendleton  
 Carson Flouring Mills, Carson  
 Cherry City Flouring Mill, Salem  
 Columbia Milling Co., 32nd and Market, Portland  
 Fischer Flouring Mill, Corvallis (Plants at Corvallis and Silverton)  
 Golden Rod Milling Co., 353 Oak, Portland  
 Kerr Gifford & Co., Inc., Lewis Bldg., Portland  
 Lyons Milling Co., Gaston  
 Northern Flour Mills Co., Lumbermen's Bldg., Portland  
 Old Fashion Cereal Co., 241 Holladay, Portland  
 Olympia Cereal Mill, E. 1st and Washington, Portland  
 Peacock Mill Co., Freewater  
 Portland Flouring Mills Co., Board of Trade Bldg., Portland  
 Rogue Valley Milling Co., Medford  
 Weston Mills, The, Weston

## CHEESE

Albany Pure Milk & Cheese Co., Albany  
 Alder Vale Creamery, Nehalem  
 Amity Cheese Factory, Amity  
 Arago Co-operative Cheese Factory, Arago  
 Bandon Cheese Co., Bandon  
 Banner Creamery, Mohler  
 Beaver Creamery Assn., Beaver  
 Blaine Creamery Co., Blaine  
 Bohemia Cheese Factory, Templeton  
 Broadbent Cheese Co., Broadbent  
 Canby Co-operative Cheese & Produce Co., Canby  
 Clatskanie Co-operative Creamery Co., Clatskanie  
 Cloverdale Cheese Co., Cloverdale  
 Cloverleaf Creamery Co., Bay City  
 Cold Springs Cheese Factory, Cloverdale  
 Columbia Delta Cheese Co., Clatskanie  
 Commercial Creamery Co., Haines

## FOOD PRODUCTS—Continued

Coos Bay Mutual Creamery Co.,  
MarshfieldCrystal Creamery, Denmark  
Denmark Cheese Co., Denmark  
Dew Valley Cheese Factory, Bandon  
Donald Co-operative Cheese Factory,  
DonaldEast Beaver Cheese Co., Hemlock  
Elwood Creamery Co., Tillamook  
Ernst Swiss Cheese Co., North Plains  
Euchre Creek Cheese Factory, Wed-  
derburnFairview Dairy Assn., Tillamook  
Floras Lake Cheese Factory, Langlois  
Fort Rock Cheese Factory, Fort Rock  
Garden Road Co-operative Cheese  
Factory, SalemGravel Ford Cheese Factory, Gravel  
FordHalfway Cheese Factory, Halfway  
Hazel Hill Cheese Factory, Otis  
Hazelwood Cheese Factory, Lakeside  
Holstein Creamery Co., Tillamook  
Independence Creamery, Harrisburg  
Jordan Cheese Factory, Scio  
Langells Valley Cheese Factory, Lan-  
gells ValleyLanglois Cheese Factory, Langlois  
Long Prairie Creamery Co., Tillamook  
Lundy Creamery, Myrtle Point  
Maple Grove Cheese Factory, Beaver  
Maple Leaf Creamery Assn., Tilla-  
mookMeda Creamery Co., Meda  
Miami Valley Creamery Co., Garibaldi  
Mohler Creamery Co., Mohler  
Moore, D. M., Gold Beach  
Mutual Creamery Co., Halfway  
Myrtle Point Creamery Co., Myrtle  
PointMyrtlewood Creamery, Coquille  
Neskowin Dairy Assn., Neskowin  
Newberg Creamery Co., Newberg  
Norway Creamery, Norway (Plants at  
Norway and Lee)Ocean View Cheese Factory, Langlois  
Oregon Creamery Co., 130 2nd, Port-  
landOretown Cheese Factory, Oretown  
Parkersburg Cheese Factory, Bandon  
Pistol River Cheese Factory, Gold  
BeachPleasant Valley Cheese Assn., Hem-  
lockRed Clover Creamery Co., Tillamook  
Red Rock Dairy, Tigard  
Richardson Gap Cheese Co., Scio, R. 3  
Roberts Bros., Templeton  
Rock Creek Cheese Factory, Otis  
Salmon River Cheese Factory, Rose  
LodgeSand Lake Creamery, Sand Lake  
Schooner Creek Cheese Factory, Taft  
South Prairie Creamery Co., Tillamook  
Stanfield Cheese Factory, Stanfield  
Stayton Cheese Factory, Stayton  
Sugarloaf Cheese Factory, Gravel  
FordSwiss Cheese Factory, Stanfield  
Three Rivers Creamery, Hebo  
Tillamook Cheese Factory, Tillamook  
Upper Nestucca Cheese Factory,  
Blaine  
Wedderburn Cheese Factory, Wedder-  
burn

White Clover Cheese Factory, Otis

## CIDER

Bagley Canning Co., Talent  
Cocnran Cider Mill, 1108 Hawthorne  
Ave., Portland  
Commercial Cider Works, Salem  
Enterprise Bottling Works, Enter-  
prise  
Hage's Cider Factory, Mosier  
Hood River Apple Vinegar Co., Hood  
River  
Hood River Valley Products Co., 231  
N. 14th, Portland  
Johnson Cider Palace, H. A., 247 Yam-  
hill, Portland  
Mt. Hood Soda Water Works, 648  
Second, Portland  
Phez Co., The, Salem  
Portland Brewing Co., 627 Upshur,  
Portland  
Rogue River Valley Canning Co., Med-  
ford  
Stolz Co., Gideon, Salem  
Swetland Fruit Juice Co., 181 Holla-  
day, Portland  
Wassell, Helgren Co., 1634 E. 13th,  
Portland

## COFFEE, SPICES AND EXTRACTS

Acme Flavoring Co., 388 E. Stark,  
Portland  
Allen & Lewis, 49 N. Front, Portland  
Celro-Kola Co., 105 12th, Portland  
Closset & Co., 128 N. 12th, Portland  
Closset & Devers, 1-3 N. Front, Port-  
land  
Crane Co., W. B., E. 8th and Oak,  
Portland  
Defiance Tea & Coffee Co., 63 Front,  
Portland  
Edwards, Dwight Co., 34 N. Front,  
Portland  
Gray, McLean & Percy, 113 N. 4th,  
Portland  
Lang & Co., 1st and Ankeny, Portland  
Mason-Ehrman Co., 50 Everett, Port-  
land  
Portland Coffee Co., 11 First, Portland  
Wadhams & Co., 4th and Oak, Port-  
land  
Wadhams & Kerr Bros., 13th and  
Davis, Portland

## COOKIES, CAKES

Grandma Cookie Co., 384 E. Stark,  
Portland  
Haynes-Foster Baking Co., 64 E. 7th  
N. Portland  
Independent Cracker Co., 430 E. Davis,  
Portland  
McA-B Cookie Co., 131 E. 18th, Port-  
land  
Pacific Coast Biscuit Co., 12th and  
Davis, Portland  
Tru Blu Biscuit Co., E. 6th and Davis  
Portland

## CREAMERIES

Albany Creamery Assn., Albany  
Albany Pure Milk & Cheese Co., Al-  
bany  
Alder Vale Creamery, Nehalem  
Alsea Creamery Co., Alsea  
Ashland Creamery, Ashland  
Blaine Creamery Co., Blaine  
Blue Mt. Creamery Co., La Grande

## FOOD PRODUCTS—Continued

- Bradner Co., Independence  
 Brandes Creamery, 127 First, Portland  
 Brewster Valley Creamery, Sitkun  
 Brownsville Creamery, Brownsville  
 Burnt River Co-operative Creamery Co., Unity  
 Cape Blanco Creamery, Denmark  
 Capital City Co-operative Creamery, 137 S. Commercial, Salem  
 Central Oregon Farmers Creamery, Bend  
 City Dairy, 553 Second, Portland  
 Clear Creek Creamery Co., Oregon City  
 Cloverland Creamery, 213 W. Burlington, Portland  
 Coos Bay Mutual Creamery Co., Marshfield  
 Coquille Valley Creamery, Coquille  
 Corvallis Creamery Co., Corvallis  
 Cottage Grove Creamery, Cottage Grove  
 Crystal Ice & Cold Storage Co., 432 E. Salmon Portland  
 Douglas County Creamery, Roseburg  
 Elk Creek Creamery, Elkton  
 Eggeston & Son, Brownsville  
 Eldridge Dairy Products Co., Medford  
 Elwood Creamery Co., Tillamook  
 Enterprise Creamery, Enterprise  
 Eugene Farmers Creamery, Eugene  
 Farmers Creamery Co., Carlton  
 Fernwood Dairy, 16th and Union Ave., Portland  
 Fort Rock Creamery, Fort Rock  
 Fox Valley Co-operative Creamery Co., Fox  
 Golden West Creamery, 391 E. Burnside Portland  
 Golden West Creamery, Pendleton  
 Hazelwood Creamery, 2-4 N. Front, Portland (Plant at Grants Pass)  
 Hermiston Creamery Co., Hermiston  
 Home Creamery Co., 261 Russell, Portland  
 Hood River Creamery, Hood River  
 Hubbard Creamery Co., Hubbard  
 Hudson Bay Co-operative Creamery, Umapine  
 Independence Creamery, Independence  
 Jackson County Creamery, Medford  
 Junction City Creamery, Inc., Junction City  
 Klamath Falls Creamery Co., Klamath Falls  
 Lakeview Creamery, Lakeview  
 Lane County Creamery Eugene  
 La Pine Creamery, La Pine  
 Lebanon Creamery Co., Lebanon  
 Lower Columbia Farmer's Creamery, Astoria  
 Maple Leaf Creamery Assn., Tillamook  
 Marion Creamery & Produce Co., Salem  
 McMinnville Creamery, McMinnville  
 Merrill Creamery, Merrill  
 Modern Dairy, 266 Couch, Portland  
 Monmouth Co-operative Creamery Co., Monmouth  
 Morrow County Creamery, Heppner  
 Mt. Angel Creamery & Ice Co., Mt. Angel  
 Mutual Creamery Co., Baker  
 Mutual Creamery Co., Astoria  
 Mutual Creamery Co., 72 E. 7th, Portland  
 Newberg Creamery Newberg  
 Norway Creamery Co., Norway  
 Oak Grove Creamery, Scappoose  
 Oregon City Creamery, Oregon City  
 Oregon Creamery Co., 130 2nd, Portland  
 Oregon Milk Producers Corporation, 32 N. 5th, Portland  
 Peerless Butter Co., 47 Front, Portland  
 Pendleton Creamery, Pendleton  
 Portland Damascus Milk Co., 24th and Washington, Portland  
 Frairie City Co-operative Creamery Co., Prairie  
 Rainier Creamery, Rainier  
 Raven Dairy Co., 174 4th, Portland  
 Redmond Creamery, Redmond  
 Red Rock Dairy, Tigard  
 Reedsport Creamery, Reedsport  
 River Banks Creamery, Gants Pass  
 Sandy Creamery, Sandy  
 Shelburn Creamery, Shelburn  
 Sheridan Creamery, Sheridan  
 Silverton Creamery & Ice Co., Silverton  
 Siuslaw Creamery Co., Acme  
 Springfield Creamery, Springfield  
 St. Helens Co-operative Creamery Co., St. Helens  
 St. Paul Creamery, St. Paul  
 Sunset Creamery Co., 1st and Main, Portland  
 Swift & Co., Kenton Station, Portland  
 Tillamook Creamery, Tillamook  
 Toledo Co-operative Creamery, Toledo  
 Valley Creamery La Grande  
 Wallowa Valley Creamery, Wallowa  
 Willamette Dairy, 433 Union Ave., Portland  
 Wood River Valley Creamery & Butter Assn., Fort Klamath

## DEHYDRATED FRUITS

- Pacific Wann Evaporating Co., Dallas  
 Portland Evaporating Co., Portland  
 Salem Kings Food Products Co., Salem  
 The Dalles Kings Food Products Co., The Dalles

## EVAPORATED FRUITS

- Hoffman Evaporating Co., J. N., Forest Grove  
 Horst Co., E. Clemens, Independence  
 Idan-Ha Orchard Co., Nyssa  
 Kurtz & Co., F. A., Salem

## FLOUR

- Albers Bros., Ry. Exchange Bldg., Portland  
 Ashland Mills, Ashland  
 Astoria Flouring Mills Co., Astoria  
 Aumsville Flouring Mill, Aumsville  
 Baker Mill & Grain Co., Baker  
 Bend Flour Mill Co., Bend  
 Binder, Chas., Elkton  
 Boyd Roller Mills, Boyd  
 Brandon Bros. Flour Mill, Eagle Point  
 Brownsville Flour Mill, Brownsville  
 Buchanan & Co., C. D., Hillsboro  
 (Plants at Cornelius, Hillsboro, McMinnville and North Plains)  
 Burns Flouring Milling Co. Burns

## FOOD PRODUCTS—Continued

Carnation Milling Co., Forest Grove  
 Carson Flouring Mills, Carson  
 Cascade Flour Mill, Foster  
 Central Point Mill, Central Point  
 Jhehalem Valley Mills, Newberg  
 Cherry City Flouring Mill, Salem  
 Collins Flour Mill, Pendleton  
 Columbia Milling Co., E. 2nd and  
 Market, Portland  
 Condon Milling Co., Condon  
 Cottage Grove Flour Mills, Cottage  
 Grove  
 Crown Mills, N. Front and Quimby,  
 Portland  
 Dallas Flouring Mills, Dallas  
 Diamond Flour Mills, The Dalles  
 Douglas County Flouring Mills, Rose-  
 burg  
 Eagle Mills, St. Johns Terminal, Port-  
 land  
 Echo Flour Mills, Echo  
 Elgin Flour Mills, Elgin  
 Enterprise Mercantile & Mill Co., En-  
 terprise  
 Eugene Mill & Elevator Co., Eugene  
 Eureka Flour Mill, Stayton  
 Fischer Flouring Mills, Corvallis  
 (Plants at Corvallis and Silverton)  
 Fossil Milling Co., Fossil  
 Haines Flour Mill, Haines  
 Helix Milling Co., Helix  
 Heppner Farmers Elevator Co., Hepp-  
 ner  
 Highland Milling Co., Hood River  
 Independent Warehouse & Milling Co.,  
 Wasco  
 Jefferson Mill Co., Jefferson  
 Joseph Milling Co., Joseph  
 Josephine County Flour Mill, Grants  
 Pass  
 Kerr Gifford & Co. Inc., Lewis Bldg.,  
 Portland  
 La Grande Milling Co., La Grande  
 Lexington Roller Mill, Lexington  
 Long Creek Flour Mill, Long Creek  
 Lyons Milling Co., Gaston  
 Madras Flouring Mills, Madras  
 Malin Milling Co., Malin  
 Martin Bros. Inc., Klamath Falls  
 Maupin Milling Co., Maupin  
 Miller Bros. Flour Mill, Milton  
 Monitor Flour Mills, Woodburn  
 Mulino Flour Mills, Mulino  
 North Powder Milling & Mercantile  
 Co., North Powder  
 Northwestern Roller Mills, Milton  
 Nyssa Flour Mill, Nyssa  
 Old Fashion Cereal Co., 241 Holladay,  
 Portland  
 Oregon Milling & Warehouse Co., In-  
 dependence  
 Paisley Flour Mill, Paisley  
 Peacock Mill Co., Freewater  
 Pendleton Roller Mills, Pendleton  
 Perrydale Flouring Mill, Perrydale  
 Pioneer Flouring Mill, Island City  
 Portland Flouring Mills Co., The Wil-  
 cox Bldg., Portland (Plants at Ore-  
 gon City, Metolius and Tangent)  
 Preston-Shaffer Milling Co., Athena  
 Prineville Flouring Mill, Prineville  
 Red Crown Mills, Albany  
 Ritter Flour Mill, Ritter  
 Rogue Valley Milling Co., Medford  
 Rose City Flour Mills, St. Johns Sta-  
 tion, Portland  
 Scio Milling Co., Scio

Scott Flour Mill, Chas., Scotts Mills  
 Sevelik Bros. Mill, New Era  
 Sidney Power Co., Jefferson, R. 1  
 Spring Grove Flour Mill, Paisley  
 St. Helens Flour Mill Co., St. Helens  
 St. Paul Flour Mill, St. Paul  
 Star Flouring Mills, The, McMinn-  
 ville  
 Stayton Flouring Mills, Stayton  
 Thompson Flouring Mills, Shedd  
 Tri-State Terminal Co., Baker  
 Troy Roller Mills, Troy  
 Umatilla Flour & Grain Co., Pendle-  
 ton  
 Umpqua Valley Mills, Oakland  
 Union Flouring Mills, Union  
 Union Mills, Mulino  
 Vale Milling Elevator Co., Vale  
 Valley View Flour Mills, Cove  
 Victory Mill, Halfway  
 Wallowa Milling & Grain Co., Lostine  
 Wallowa Roller Mills, Wallowa  
 Walters Flour Mills, Pendleton  
 Wasco Warehouse Milling Co., The  
 Dalles  
 Weston Milling Co., Weston  
 Wilhelm & Sons, A. Monroe  
 Woodburn Milling Co., Woodburn  
 Yamhill Milling Co., Sheridan

## HORSE RADISH

Williams & Co., 371 Grand Ave., N.  
 Portland

## ICE

Albany Ice Co., Albany  
 Apple Growers Assn., Hood River  
 Ashland Ice & Storage Co., Ashland  
 Cold Storage Co., Grants Pass  
 Coquille Ice Plant, Coquille  
 Crystal Ice & Cold Storage Co., 432  
 E. Salmon, Portland  
 Deschutes Ice Co., Bend  
 Enterprise Creamery, Enterprise  
 Eugene Fruit Growers' Assn., Eugene  
 Forest Grove Ice & Fuel Co., Forest  
 Grove  
 Hawthorne Artificial Ice Co., 1048  
 Hawthorne Ave., Portland  
 Hubbard Creamery Co., Hubbard  
 Ice & Cold Storage Co., Medford  
 Jackson County Creamery, Medford  
 Klamath Ice & Storage Co., Klamath  
 Falls  
 Lebanon Creamery Co., Lebanon  
 McMinnville Ice Co., McMinnville  
 Medford Ice & Storage Co., Medford  
 Milton Ice & Cold Storage Co., Milton  
 Montavilla Ice Co., 1995½ E. Stark,  
 Portland  
 National Cold Storage & Ice Co., 309  
 E. Washington, Portland  
 Oregon City Ice & Cold Storage Co.,  
 Oregon City  
 Peterson, E. E., Seaside  
 Portland Artificial Ice Co., 18th and  
 Thurman, Portland  
 Roseburg Ice Co., Roseburg  
 St. Johns Ice & Cold Storage Co., 714  
 Dawson, Portland  
 Terminal Ice & Cold Storage Co., 3rd  
 and Hoyt, Portland  
 Weinhard Plant, H., 470 Burnside,  
 Portland

## ICE CREAM

Ashland Creamery Ashland  
 Blue Mountain Creamery, La Grande

## FOOD PRODUCTS—Continued

Eugene Fruit Growers' Assn., Eugene  
 Gregory, P. M., Salem  
 Hazelwood Confectionery & Restaurant, 388 Washington, Portland  
 Hoefler, H. R., Astoria  
 Independence Creamery, Medford  
 Lebanon Creamery, Lebanon  
 Mutual Creamery Co., Astoria  
 Mutual Creamery Co., 72 E. 7th, Portland  
 Mt. Hood Ice Cream Co., 230 E. 6th, Portland  
 Norman Ice Cream Factory, The Dalles  
 Rainier Creamery, Rainier  
 Sunset Creamery, 1st and Main, Portland  
 Sweetland & Son, 269 Morrison, Portland  
 Valley Creamery, La Grande  
 Weatherly Ice Cream Co., E. 7th and Salmon, Portland  
 Winkley's Creamery, Corvallis  
 White Clover Ice Cream Co., 505 E. Burnside, Portland

## ICE CREAM CONES

Pacific Coast Cone Co., 22 E. 8th, Portland  
 Perfection Manufacturing Co., Cor. Macadam and Admiral Ave., Portland

## MACARONI, SPAGHETTI, ETC.

Colombo Italian Paste Co., Portland  
 Columbia Macaroni Co., 270 1st, Portland  
 Lehmann Co., Geo. A., 383 E. Pine, Portland  
 Oregon Macaroni Mfg. Co., 65½ E. 8th, Portland  
 Porter Scarpelli Macaroni Co., Col. Blvd. and Fenwick, Portland  
 Sanyo Co., Portland

## MILK CONDENSERS

Carnation Milk Produce Co., Forest Grove (Plants at Forest Grove and Hillsboro)  
 Henningsen Produce Co., 180 Burnside, Portland (Plants at Portland, Newberg and Scio)  
 Holly Milk & Cereal Co., Amity  
 Nestle's Food Co. Inc., Chamber of Commerce Bldg., Portland (Plants at Bandon and McMinnville)  
 Sunrise Milk Products Co., North Bend

## NOODLES

Sun-Meen Co., 63 N. 4th, Portland

## OLEOMARGARINE

Swift & Co., 285 Hoyt, Portland

## PACKING, FISH

Schmidt & Co., Inc., S. Astoria  
 Umpqua Fish, Storage & Supply Co., Gardiner

## PACKING, MEAT

Albina Dressed Beef Co., 514 Williams Ave., Portland  
 Boston Packing Co., 1-14 2nd, Portland

Frye & Co., 13th and Hoyt, Portland  
 Grande Ronde Meat Co., La Grande  
 Huntington Meat Co., Huntington  
 Nebergall Meat Co., D. E., Albany  
 Newberg Meat Co., Newberg  
 Pendleton Meat Co., Pendleton  
 Schultz Food Co., Forest Grove  
 Swift & Co., North Portland

## PEANUT BUTTER

Hoody Peanut Butter Co., 55 Union Ave., Portland  
 Lang & Co., 1st and Ankeny, Portland  
 Royal Nut Mfg. Co., 42½ E. 28th, Portland  
 Wadhams & Co., 75 4th, Portland  
 Wadhams & Kerr Bros., 13th and Davis, Portland

## PICKLES

Knight Packing Co., 474 E. Alder, Portland (Plants at Cornelius, Medford and Portland)  
 Oregon Packing Co., 420 E. Alder, Portland (Plants at Salem, Clatskanie and Sutherlin)  
 Sterling Food Products, 1122 Macadam, Portland  
 Wadhams & Kerr Bros., 13th and Davis, Portland

## POTATO CHIPS

Williams & Co., 371 Grand Ave., Portland

## CANNERIES, PRESERVES, JAMS, JELLIES

Ansmith Preserving Co., Portland  
 Dickinson Co., Inc., Oswego  
 Farwest Canning Co., Astoria  
 Knight Packing Co., 474 E. Alder, Portland  
 Phez Co., Salem  
 Rupert & Co., Worcester Bldg., Portland  
 Starr Fruit Products Co., 321 E. Yamhill, Portland  
 Sterling Food Products Co., Inc., 1122 Macadam, Portland  
 Wadhams & Kerr Bros., 481 Davis, Portland  
 Wassell Helgren Co., 1634 E. 13th, Portland

## RICE

Furuya Co., M., 58 N. 4th, Portland

## SAUSAGE

Boston Packing Co., 1-17 2nd, Portland  
 City Meat Market, Pendleton  
 Echo Meat Market, Echo  
 Fairchild Market, 224 Yamhill, Portland  
 Gill Co., M. J., 134 Russell, Portland  
 Pacific Market, 186 4th, Portland  
 Palace Market, Bend  
 Smith Packing Co., Baker

## SAUERKRAUT

Knight Packing Co., 474 E. Alder, Portland  
 Oregon Packing Co., 420 E. Alder, Portland (Plants at Salem, Clatskanie and Sutherlin)

## FOOD PRODUCTS—Continued

Sterling Food Products Co., Inc., 1122  
Macadam, Portland  
Stolz Co., Gideon, Salem

## STARCH

Northwest Potato Starch & Milling  
Co., Gresham  
Pacific Potato Starch Co., Beaverton

## SYRUPS

Conner & Co., 841 Macadam, Portland  
Pacific Coast Syrup Co., 24 N. Front,  
Portland  
Wadhams & Kerr Bros., 13th and  
Davis, Portland

## VINEGAR

Commercial Cider Works, Salem  
Eugene Fruit Growers' Assn., Eugene  
(Plants at Creswell, Junction City  
and Eugene)

Freewater Cannery, Freewater  
Hansen Manufacturing Co., 6516 Pow-  
ell Valley Road, Portland  
Hood River Apple Vinegar Co., Hood  
River

Hood River Valley Products Co., 231  
N. 14th, Portland

Jones Bros & Co., 64 Albina Ave.,  
Portland (Plants at Newberg and  
Portland)

Knight Packing Co., 474 E. Alder,  
Portland (Plants at Cornelius, Med-  
ford and Portland)

Leis, B., Beaverton

Margulis & Company, Portland

Sterling Food Products Co., 1122  
Macadam, Portland

Stolz Co., Gideon, Salem

Weinhard Plant, H., 475 Burnside,  
Portland

## LEATHER AND RUBBER

## BELT LEATHER

Davis-Scott Belting Co., 129 Union  
Ave., Portland  
Lambert Tire & Rubber Co., 125  
Grand, N. Portland  
Oregon Fan Belt & Mfg. Co., 142½  
2nd, Portland  
Portland Rubber Mills, Macadam and  
Nevada, Portland

## BELTS, MEN'S

Columbia Strop & Belt Works, Port-  
land  
Keller Harness Co., Portland

## HARNESS, COLLARS

Clark Saddlery Co., John, 104 Front,  
Portland  
Cronin Co., The P. J., 129 First, Port-  
land  
Keller Harness Co., The, 49 N. 6th,  
Portland  
Koontz Harness Co., The, 110 1st,  
Portland  
Lawrence Co., The Geo., 80 1st, Port-  
land  
McMonies & Co., W. H., 440 Hancock,  
Portland  
Noble, E. G., Heppner  
Sharkey & Son, P., 53 Union Ave.  
Portland

## RUBBER

Lambert Tire & Rubber Co., 125  
Grand Ave., Portland  
Portland Rubber Mills, Nevada and  
Macadam, Portland

## SADDLE TREES

Independent Saddle Tree Factory, 570  
Lake, Portland  
Leisure & Van Bebber, 1560 Macadam,  
Portland  
McMonies & Co., W. H., 440 Hancock,  
Portland

## SADDLERY

Clark Saddlery Co., John, 104 Front,  
Portland  
Cronin Co., The P. J., 129 1st, Port-  
land  
Hamley & Co., Pendleton  
Keller Harness Co., 49 N. 6th, Port-  
land  
Koontz Harness Co., The, 110 1st,  
Portland  
Lawrence Co., The Geo., 1st and Oak,  
Portland  
Leisure & Van Bebber, 1506 Macadam,  
Portland  
McMonies & Co., W. H., 440 Hancock,  
Portland  
Noble, E. G., Heppner  
Sharkey & Son, P., 53 Union Ave.,  
Portland

## SHOES

Bergman Shoe Mfg. Co., The, 621  
Thurman, Portland  
C-W Shoe Mfg. Co., 251 N. 16th, Port-  
land

## TANNERIES

Albany Tannery Co., Albany  
Muir & McDonald Co., Dallas  
Weber Tanning Co., 1712 Macadam  
Road, Portland

## METAL PRODUCTS

## ASH CANS

Purdin Bros., 180 Union Ave., Port-  
land

BAG TURNING MACHINE (Bag  
Reversing)

Commercial Iron Works, E. 7th and  
Madison, Portland  
Economy Wire Tie & Mfg. Co., 55  
1st, Portland

## BANK FIXTURES

Acme Fixture Co., 311 N. 16th, Port-  
land  
Columbia Wire & Iron Works, 466 E.  
Market, Portland  
Oregon Brass Works, 73 N. 2nd, Port-  
land  
Portland Wire & Iron Works, 294 2nd,  
Portland  
Western Fixture & Show Case Co., 48  
N. 10th, Portland

## METAL PRODUCTS—Continued

## BED SPRINGS

King Fisher Mattress Co., 478 Albina Ave., Portland

## BLOWER PIPE AND DUST CONVEYING SYSTEMS

Alder Sheet Metal Works, 550 Washington, Portland  
 Bayer Co., J. C., 204 Market, Portland  
 Johnson Co., C. J., 348 1st, Portland  
 Northwest Blow Pipe Co., 554 Delay, Portland  
 Pacific Blow Pipe Co., 116 E 11th, N., Portland  
 Silverton Blow Pipe Co., Silverton

## BOILERS, STEEL TANKS

East Side Boiler Works, Ft of E. Main, Portland  
 King Bros. Boiler Works, 711 E. 18th, Portland  
 Overmire Steel Construction Co., E. Water and Hawthorne Ave., Portland  
 Pacific Car & Foundry Co., 219 E. 60th N., Portland  
 Pacific Marine Iron Works, E. Water and Main, Portland  
 Phoenix Iron Works, E. 3rd and Hawthorne Ave., Portland  
 Portland Boiler Works, 17th and Pettygrove, Portland  
 Smith & Watson Iron Works, Ft of Porter, Portland  
 Western Structural Steel & Tank Co., E. 63rd and Halsey, Portland  
 Willamette Iron & Steel Works, 462 N. Front, Portland

## BOLTS AND NUTS

North Pacific Spike Co., 619 Upshur, Portland  
 Northwest Bridge & Iron Co., Ft of Sheridan, Portland  
 Portland Bolt & Mfg. Co., 210 N. 14th, Portland

## BRAKE SHOES, (LOGGING)

Independent Foundry Co., 743 York, Portland  
 Shofner Iron Works, Rainier

## CANS

American Can Co., N. Front and 14th, Portland  
 Columbia River Packers Assn., Astoria  
 Elmore & Co., S., Astoria

## CASTINGS, BRASS, BRONZE, IRON STEEL

Albany Iron Works, Albany  
 American Bronze & Brass Foundry, 659 Upshur, Portland  
 American Marine Iron Works, Ft of N. Richmond, Portland  
 Ashland Iron Works, Ashland  
 Astoria Marine Iron Works, Astoria  
 Beaver State Motor Co., Gresham  
 Bend Iron Works, Bend  
 Columbia Steel Co., 10th and Johnson, Portland

Commercial Iron Works, E. 7th and Madison, Portland  
 Coos Bay Iron Works, Marshfield  
 Crawford & Doherty Foundry Co., 934 E. 17th, Portland  
 Dallas Machine & Locomotive Works, Dallas  
 Electric Steel Foundry, 22nd and York, Portland  
 Harper's Brass Works, 106 N. 5th, Portland  
 Hesse-Martin Iron Works, E. 8th and Taylor, Portland  
 Hiner Foundry & Machine Co., Tillamook  
 Independent Foundry Co., 23rd and York, Portland  
 Klamath Iron & Steel Works, Klamath Falls  
 La Grande Iron Works, La Grande  
 Leach Iron Works, J. M., 439 Vancouver Ave., Portland  
 Marne Iron Works, 260 E. 6th, Portland  
 Medford Iron Works, Medford  
 Newberg Iron Works, Newberg  
 North Bend Iron Works, North Bend  
 Oregon Brass Works, Front and Flinders, Portland  
 Oregon City Foundry, Oregon City  
 Oregon Iron & Steel Co., Oswego  
 Oregon Foundry Co., 60 Stark, Portland  
 Pacific Brass & Steel Foundry, 252 E. 6th, Portland  
 Pacific Iron Works, E. 3rd and Burnside, Portland  
 Pendleton Iron Works, Pendleton  
 Peninsula Iron Works, St. Johns Station, Portland  
 Phoenix Iron Works, E. 3rd & Hawthorne Ave., Portland  
 Portland Iron Works, 14th & Northrup, Portland  
 Reedsport Iron Works, Reedsport  
 Rogers, W. F., Bandon  
 Salem Iron Works, Salem  
 Scow Bay Iron & Brass Works, Astoria  
 Shofner Iron Works, Rainier  
 Silverton Foundry Co., Silverton  
 Smith & Watson Iron Works, 412 Front, Portland  
 Specialty Foundry & Machine Works, 240 E. 7th, Portland  
 Steinbach Machine Shop, Tillamook  
 Veltum & Clow Mfg. Co., Eugene  
 Western Foundry Co., 626 Hood, Portland  
 Wood-Ewing Iron Works, 1371 Macadam, Portland  
 Woods Iron Works, John, 461 E. Alder, Portland

## DIE STAMPING

Associated Engineering Corp, Spalding Bldg., Portland  
 Coin Machine Mfg. Co., 984 E. 17th, Portland  
 Western Tool & Die Works, 109 N. 3rd, Portland

## ENGINES

Albina Engine & Machine Works, 28 Albina Ave., Portland  
 Beaver States Motor Co., Gresham

## METAL PRODUCTS—Continued

Coos Bay Iron Works, Marshfield  
 Helser Machine Shop, 493 N. 22nd  
 Portland  
 Phoenix Iron Works, 360 Hawthorne  
 Ave., Portland  
 Salem Iron Works, Salem  
 Smith & Watson Iron Works, 400  
 Front, Portland  
 Tuerck & McKenzie, 160 E. 3rd N.,  
 Portland  
 Willamette Iron & Steel Works, 462  
 N. Front, Portland

## FIRE ESCAPES

City Iron Works, 107 N. 2nd, Portland

## FLUMES, CULVERTS

Coast Culvert & Flume Co., Columbia  
 Blvd & Derby, Portland  
 Feenaughty Machinery Co., 309 E.  
 Yamhill  
 U. S. Manufacturing Co., Ontario

## FURNACES

Alder Sheet Metal Works, 550 Wash-  
 ington, Portland  
 Austin Sheet Metal Works, 387 E. Al-  
 der, Portland  
 Bayer & Co., J. C., 204 Market, Port-  
 land  
 Hess Furnace Mfg. Co., 117 Argyle,  
 Portland  
 McPherson Co., The W. G., 19th &  
 Wilson, Portland  
 Rosenbaugh, W. W., Salem  
 Specialty Foundry Machine Works,  
 7th & E. Main, Portland

## GALVANIZING

Portland Galvanizing Co., 22nd &  
 Reed, Portland

## IRON SPIKES

North Pacific Spike Co., 619 Upshur  
 Portland

## LOGGERS' EQUIPMENT

Associated Engineering Corp., Spald-  
 ing Bldg., Portland  
 Independent Foundry Co., 743 York,  
 Portland  
 Pacific Car & Foundry Co., 219 E.  
 60th, N., Portland  
 Shofner Iron Works, Rainier  
 Smith & Watson Iron Works, 400  
 Front, Portland  
 Stewart Bros. Co., 271 Pine, Portland  
 Thomas Engineering Works, Ft  
 of Richmond, Portland  
 Willamette Iron & Steel works, 462  
 N. Front, Portland

## MACHINE BITS

Morales, M., 952 Thurman, Portland

METAL FURNITURE AND  
FIXTURES

Albatross Vault & Metal Works, 1715  
 Thurman, Portland  
 Simmons Co., The, 1186 Macadam Rd.,  
 Portland

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## ORNAMENTAL IRON AND WIRE

City Iron Works, 107 N. 2nd, Port-  
 land  
 Columbia Wire & Iron Works, E 8th  
 & Market, Portland  
 Northwest Fence & Supply Co., 52  
 Union Ave., Portland  
 Portland Ornamental Iron Works, 52  
 N. 9th, Portland  
 Portland Wire & Iron Works, 294 2nd,  
 Portland  
 Reliance Wire & Iron Works, 52  
 Union Ave., Portland

## PIPE, COPPER

Shaffer Copper Works, 22nd & Reed  
 Portland

## PLATING

California Plating Works, 212 2nd,  
 Portland  
 Cassady Mfg. Co., 130 Union Ave.,  
 Portland  
 Golden Co., John O., Selling-Hirsch  
 Bldg., Portland  
 Halverson Co., The, E. Oak & Union  
 Ave., Portland  
 Marvel Plating Works, 113 Grand  
 Ave., Portland  
 New York Plating Works, 16 Union  
 Ave., N., Portland  
 Portland Electric Maintenance Co.,  
 262 Madison, Portland  
 Walton & Walton, Portland

## SASH WEIGHTS

Leach Iron Works, J. M., 439 Van-  
 couver Ave., Portland

## SHEET METAL

Associated Engineering Co., 902  
 Spalding Bldg., Portland  
 Bayer, J. C., 204 Market, Portland  
 Burness Auto & Body Works, 128  
 Everett, Portland  
 Curry, W. A., 363 E. Morrison, Port-  
 land  
 Fisch, N. B., 105 N. 15th, Portland  
 Gunther-King Co., 146 Page, Port-  
 land  
 McPherson, W. G., 19th & Wilson,  
 Portland  
 Northwest Blow Pipe Co., 554 Delay,  
 Portland  
 Portland Sheet Metal Works, 429 E.  
 Madison, Portland  
 Purdin Bros., 180 Union Ave., Port-  
 land  
 Silvertown Blow Pipe Co., Silvertown  
 United Sheet Metal Works, Ft. of E.  
 Washington, Portland

## SHIPBUILDING, STEEL

Northwest Steel Co., Ft. of Sheridan  
 Portland

## SMELTER, ELECTRIC

Western Reduction Co., 24th & Nico-  
 lai, Portland

**METAL PRODUCTS—Continued****SOLDER, BABBIT AND TYPE METALS**

Pacific Metal Works of Oregon, 81 N. Park, Portland

**SPIKES AND NUT LOCKS**

North Pacific Spike Co., 619 Upshur, Portland  
Universal Nut Lock Co., 315 Hawthorne Ave., Portland

**STOVES AND RANGES**

Portland Stove Works, Kenton Sta., Portland  
Purdin Bros., 180 Union Ave., Portland

**STRUCTURAL STEEL**

City Iron Works, 107 N. 2nd, Portland  
Maeder Field Products Co., 617 Vaughan, Portland  
Northwest Bridge & Iron Co., Ft of Sheridan, Portland  
Overmire Steel Const. Co., E. Water & Hawthorne Ave., Portland  
Pacific Iron Works, E. 3rd & Burnside, Portland

**VATS**

Shaffer Copper Works, 22nd & Reed, Portland

**MISCELLANEOUS MANUFACTURING****ADVERTISING CUTS, HALF-TONES, ETC.**

Beaver Engraving Co., 148 5th, Portland  
Hicks-Chatten Engraving Co., Blake McFall Bldg., Portland  
Oregon Engraving Co., Pittock Bldg., Portland  
Portland Electrotype & Stereotype Co., 92 Front, Portland  
Portland Engraving Co., 167 4th, Portland  
West Coast Engraving Co., Commonwealth Bldg., Portland

**ADVERTISING NOVELTIES**

Broderick Co., The, 170 Park, Portland  
Irwin-Hodson Co., 115 N. 15th, Portland  
Kelley, Fred L. Co., 88 1st, Portland  
Prestograph Co., 7 1st, Portland

**AGATE PRODUCTS**

Diamond Agate Co., Roseburg  
Miller-Steinau, Globe Bldg., Portland  
Myers Co., W. S., Selling-Hirsch Bldg., Portland  
Rogue River Agate Co., Ashland

**AIR COMPRESSOR, GARAGE AUTOMATIC, PORTABLE ROAD**

Coast Steel & Machinery Co., 50 1st, Portland  
Coos Bay Iron Works, Marshfield

**APPLIANCES, SURGICAL AND DEFORMITY**

Karlson, K. E. & Co., 450 Burnside, Portland  
Oregon Artificial Limb Co., 425 Washington, Portland

**ASBESTOS PRODUCTS**

Gillin & Chambers Co., 60 N. Front, Portland  
Pacific Asbestos & Supply Co., 311 ½ Front, Portland

**AUTO FENDERS AND RADIATORS**

Burness & Martin, 501 Alder, Portland

**AUTO LOCKS**

Covey Motor Car Co., Washington & 21st, Portland

**AUTO RINGS**

V-Plex Piston Ring Co., Medford

**AUTO SAWS**

Briggs Auto Wood Saw Co., 281 Hawthorne Ave., Portland

**AUTO SIGNALS**

U. S. Signal Co., 504 Burnside, Portland

**AUTO TOPS**

Auto Top Co., 431 Burnside, Portland  
Coos Bay Mattress Co., Marshfield  
Dubruille Top Co., 395 Oak, Portland  
Oregon Auto Top Co., 14th & Couch, Portland

**AUTO AND TRUCK BODIES**

Burness & Martin, 501 Alder, Portland  
Curry, A. W., 363 E. Morrison, Portland  
Gerber, G. G., 431 Davis, Portland  
New Haven Carriage Works, 4th & Glisan, Portland  
North Pacific Auto & Wagon Works, 9th and Hoyt, Portland  
Universal Body Corporation, E. 29th & Sandy, Blvd., Portland  
Wentworth & Irwin, Inc., 2nd & Taylor, Portland

**AUTO WHEELS**

Raymond Auto Wheel Works, 49 N. 9th, Portland

**AUTOMATIC BRAKES**

Automatic Electric Brake Co., 84 Union Ave., Portland

**BABY CORRALS**

Baby Kor-al Co., Portland

## MISCELLANEOUS MANUFACTURING—Continued

BONE MEAL AND SHELL  
GRINDING

Oregon Bone Meal Works, Lents Sta.,  
Portland  
Pacific Products Co., North Portland  
Sterrett Packing Co., Kenton Station,  
Portland  
Swift & Co., Kenton Sta., Portland

## BOXES, PAPER

Clark, H. B., 1 Union Ave., Portland  
Columbia Paper Box Co., 212 E. 25th,  
N. Portland  
Oregon Paper Box Factory, 245½  
Stark, Portland  
Portland Paper Box Co., 92 Front,  
Portland  
Portland Paper Package Co., E. 25th  
& Holladay Ave., Portland  
Stettler Mfg. Co., F. C. Oregon &  
Occident, Portland

## BRIQUETS, (FUEL)

Portland Gas & Coke Co., Gasco Bldg.,  
Portland

## BROOMS

American Brush Mfg. Co., 97 Union  
Portland  
National Broom Mfg. Co., 97 Union  
Ave., Portland  
Portland Broom Co., 945 Sandy Blvd.,  
Portland  
Portland Brush & Broom Works, 109  
Grand Ave., Portland  
Rogue River Broom Works, Medford  
Standard Broom Co., Inc., E. 73rd &  
Glisan, Portland  
Zan Bros., 52 Front, Portland

## BRUSHES

American Brush Mfg. Co., 369 E.  
Washington, Portland  
Portland Brush & Broom Works, 109  
Grand Ave., Portland  
Rogue River Broom Works, Medford

## BUTTON ATTACHING MACHINES

Automatic Mfg. Co., E. 7th & Han-  
cock, Portland

## CIGARS

Alnutt Cigar Factory, Ashland  
Eagles, Wm., Albany  
Eugene Cigar Factory, Eugene  
Flynn & Co., C. I., Baker  
Gardner Cigar Co., 209½ Madison,  
Portland  
Heitkemper, John, 151 Porter, Port-  
land  
Henderson Cigar Factory, Salem  
Hood River Cigar Co., Hood River  
Imperial Cigar Factory, Astoria  
Lang, Matt, Portland  
LaGran Marca Cigar Co., 92½ 6th,  
Portland  
Lawrence, E. H., Klamath Falls  
Lewis & Clark Cigar Co., Portland  
Moore's Cigar Factory, Jos. L., Asto-  
ria  
McFadden, C. F., Hillsboro  
Pedro Vegas Cigar Factory, Astoria

Rogue River Valley Cigar Works,  
Medford  
Thielemann Cigar Factory, 375 N.  
19th, Portland  
Washburn, S. J., The Dalles  
Wiesner, J. C., McMinnville  
Woldt & Son, Ben, 274 3rd, Portland

## COCOANUT OIL

Palm Olive Co., 20th & York, Port-  
land

## CORDAGE

Portland Cordage Co., 14th & North-  
rup, Portland

## COUGH DROPS

Stearns-Hollingshead Co., E. 17th &  
Sandy Blvd., Portland

## DRY KILN EQUIPMENT

Moore Dry Kiln Co., North Portland

## ELECTRIC FIXTURES

Ainge & Co., Peter, 29th & Nicolai,  
Portland  
Baker Sales Mfg. Co., 263 16th, Port-  
land  
English Co., J. C., 161 Union Ave.,  
Portland  
Halverson Co., 374 E. Oak, Portland  
Hippely, E., 224 Oak, Portland  
Walsh Electric Co., M. J., 75½ N.  
10th, Portland  
Western Reduction Co., 806 Nicolai,  
Portland

ELECTRIC SWITCHBOARDS AND  
PANELS

Western Electric Works, 213 6th,  
Portland

## ELECTRICITY

Arlington Light & Water Plant, Ar-  
lington  
Atwood Lee Co., Wasco  
Bandon Power Co., Bandon  
Bend Water Light & Power Co., Bend  
California Oregon Power Co., Med-  
ford (Plants at Keno, Klamath  
Falls, Prospect and Tolo)  
Coast Power Co., Tillamook  
Columbia River Light & Power Co.,  
Cascade Locks  
Deschutes Power Co., Culver  
Eastern Oregon Light & Power Co.,  
La Grande (Plants at Baker, Cove,  
Haines and La Grande)  
Electric Light & Power Co., Burns  
Enterprise Electric Co., Enterprise,  
(Plants at Enterprise, Joseph and  
Wallace)  
Falls City Electric Light & Power  
Co., Falls City  
Florence Electric Co., Florence  
Lebanon Electric Light & Water Co.,  
Lebanon  
McMinnville Electric Light Plant,  
McMinnville  
Mountain States Power Co., Albany,  
(Plants at Coquille, Dallas, Marsh-  
field, Springfield, Eugene and  
North Bend)

## MISCELLANEOUS MANUFACTURING—Continued

Northwestern Electric Plant, Pittock Block, Portland  
 Oswego Lake Water Light & Power Co., Oswego  
 Pacific Power & Light Co., Gasco Bldg., Portland (Plants at Astoria, Hood River and The Dalles)  
 Portland Railway, Light & Power Co., Electric Bldg., Portland (Plants at Bull Run, Cazadero, Portland and Oregon City)  
 Sheridan Light & Power Co., Sheridan St. Helens Lumber Co., St Helens  
 Ukiah Light Plant, Ukiah  
 Willamina Electric Co., Willamina  
 Withers, C. L., Paisley  
 Yamhill Electric Co., Newberg

## ELECTROTYPES AND STEREOTYPES

Portland Electrotpe & Stereotype Co., 92 Front, Portland  
 Western Newspaper Union, 65 Front, Portland

## ELEVATORS

Columbia Elevator Co., 254 E. 6th, Portland  
 Hippely, E., 224 Oak, Portland  
 Otis Elevator Co., 13th & Burnside, Portland  
 Portland Elevator Co., 480 E. Mill, Portland  
 Sturm Dumbwaiter & Elevator Co., 289 Union Ave., Portland

## ENGRAVINGS

Beaver Engraving Co., 148 5th, Portland  
 Bushong & Co., 91 Park, Portland  
 Chausse-Prudhomme Co., 306 Davis, Portland  
 Dimm & Sons Printing Co., Henry Bldg., Portland  
 Glass & Prudhomme Co., 65 Broadway, Portland  
 Hicks-Chatten Engraving Co., Blake McFall, Portland  
 Kilham Stationery & Printing Co., 5th & Oak, Portland  
 Oregon Engraving Co., Pittock Block, Portland  
 Pacific Stationery & Printing Co., 107 2nd, Portland  
 Portland Electrotpe & Stereotype Co., 92 Front, Portland  
 Portland Engraving Co., 167 4th, Portland  
 West Coast Engraving Co., Commonwealth Bldg., Portland

## FERTILIZERS

American Minerals Producing Co., Vale  
 De Force Oil Works, Astoria  
 Oregon Bone Meal Works, Lents Sta., Portland  
 Sterrett Packing Co., Kenton Sta., Portland  
 Swift & Co., North Portland

## FLAX FIBER

Oregon Flax Fiber Co., Turner

## FLOUR MILL FURNISHINGS

Ross Mill Furnishings Co., J. J., 61 Front, Portland

## GAS ENGINES

Beaver State Motor Co., Gresham  
 Coos Bay Iron Works, Marshfield  
 Salem Iron Works, Salem

## GAS GENERATORS

Izard Gas Heating Co., Portland

## GAS MIXER

Automatic Mfg. Co., 440 Hancock, Portland

## GAS, OXYGEN AND HYDROGEN

Portland Oxygen & Hydrogen Co., 17th and Center, Portland

## GAS SAVING DEVICE FOR AUTOS

J. & L. Manifold Manufacturers, The, Portland

## GAS SERVICE COMPANIES

Mountain States Power Co., Albany, (Plants at Coquille, Dallas, Eugene, Marshfield, North Bend and Springfield)  
 Oregon Gas & Electric Co (Plants at Phoenix, Roseburg and Grants Pass)  
 Pacific Power & Light Co., Head Office, Gasco Bldg., Portland (Plants at Astoria and Pendleton)  
 Portland Gas & Coke Co., Gasco Bldg., Portland  
 Portland Railway, Light & Power Co., Electric Bldg., Portland (Gas furnished to Salem)

## GLASS, ART, MIRROR AND ORNAMENTAL

Central Door & Lumber Co., 13th & Glisan, Portland  
 Oregon Mirror & Beveling Works, 103 N. 5th, Portland  
 Portland Art Glass Co., Inc., 543 Madison, Portland  
 Povey Bros. Glass Co., 100 N. 5th, Portland

## ICE MACHINES

Harris Machine Works, The, 174 E. Water, Portland

## INCUBATORS AND BROODERS

McClanahan Incubator Co., Eugene

## JEWELRY

Myers Co., W. S., Selling-Hirsch Bldg. Portland

## MANUFACTURING CHEMISTS

Blumauer-Frank Drug Co., 355 Everett, Portland  
 Clarke, Woodward Drug Co., Wood-Lark Bldg., Portland  
 Esbencott Chemical Co., Stock Exch. Bldg., Portland  
 Korinek Remedy Co., Columbia Blvd. & Derby, Portland  
 Multnomah Chemical Co., 371 E. Morrison, Portland  
 Stearns-Hollinshead Co., E 17th & Sandy Blvd., Portland

## MISCELLANEOUS MANUFACTURING—Continued

## NOVELTIES, WOOD

Novelty Turning Works, 206 Commonwealth Bldg., Portland  
Pomeroy & Duncan, Marshfield

## OIL, FISH

De Force Oil Works, Astoria

## OIL, LINSEED

Portland Linseed Oil Co., 22nd & Sherlock Ave., Portland

## OXYGEN AND HYDROGEN

Portland Oxygen & Hydrogen Co., E. 17th & Center, Portland

## PAINTS

Dunne, D. M., 611 Roosevelt, Portland  
Fuller & Co., W. P., Morrison & Front, Portland

Portland Door & Window Co., 230 Front, Portland

Rasmussen & Co., 2nd & Yamhill, Portland

Timms, Cress & Co., 184 2nd, Portland

## PAPER

Crown-Willamette Paper Co., Pittock Block, Portland (Plants at West Linn and Lebanon)

Hawley Pulp & Paper Co., Oregon City (Plants at Oregon City and Milwaukie)

Oregon Pulp & Paper Co., Salem

## PAPER, WAXED

Western Waxed Paper Co., North Portland

## PENCILS, SLATE

Bend Juniper Products Co., Bend

## PHONOGRAPHS

Cremona Phonograph Co., 351-444 E. 10th, Portland

Cronan Co., John E., 500 E. Lincoln, Portland

Stradavara Phonograph Co., 104 E. Broadway, Portland

## PRINTING SUPPLIES

American Type Founders Co., 47 4th, Portland

California Ink Co., 41 1st, Portland

## PULLEYS, WOODEN

Portland Pulley Co., 441 E. 50th, Portland

## RAZORS AND RAZOR STROPS

Morgan Razor Works, 212 1st, Portland

## ROOFING

Durable Roofing Mfg. Co., Kenton Station, Portland

## SAWS, CIRCULAR

Atkins & Co., E. C. 75 1st, Portland  
Burns Mfg. Co., 6825 Foster Road, Portland

Diston & Sons, Inc., Henry, 91 1st, Portland

Ohlen & Sons, Jas., 288 E. Morrison, Portland  
Simonds Mfg. Co., 85 1st, Portland

## SAWS, DRAG (POWER)

American Marine Iron Works, Ft of Richmond, Portland

Beaver State Motor Co., Gresham

Coast Engine & Marine Works, E. Taylor & Water, Portland

Multnomah Iron Works, 30th & Nicolai, Portland

Relerson Machinery Co., 1295 Hood, Portland

Salem Iron Works, Salem

Thomas Engineering Works, Ft of Richmond, Portland

Vaughan Motor Works, Inc., 475 E. Main, Portland

Wade & Co., R. M., 322 Hawthorne Ave., Portland

## SOAPS

Capital Soap Works, Salem

Coast Chemical Co., 294 3rd, Portland

Luckel, King & Cake Soap Co., 648 Hood, Portland

Mt. Hood Soap Co., 270½ Glisan, Portland

Multnomah Chemical Co., 371 E. Morrison, Portland

Two J. Soap Co., 323 Russell, Portland

Wightman Co., Geo. E., 90 11th, Portland

## SPRAYING MACHINERY

Hardie Mfg. Co., The, 49 N. Front, Portland

## SPRAYS

California Rex Spray Co., Medford  
Hood River Spray Co., Hood River

## STAMPS, RUBBER

Irwin-Hodson Co., 115 N. 15th, Portland

Krebs Bros., 242 Stark, Portland

Pacific Coast Stamp Works, 63 Broadway, Portland

STEEL AND WOOD ROPE BLOCK

Associated Engineering Co., 902 Spalding Bldg., Portland

## STOCK AND POULTRY REMEDY

Korinek Remedy Co., 107 N. 2nd, Portland

## TENT PINS

Bilyu & Wallace, Lebanon

## TRUNKS, TRAVELLING BAGS AND SUITCASES

Multnomah Trunk & Bag Co., 84 E. Water, Portland

Oregon Bag & Suitcase Mfg. Co., 151 4th, Portland

Portland Trunk Mfg. Co., 60 3rd, Portland

## WALL BOARDS

Central Door & Lumber Co., E. 23rd & Alice, Portland

## WASHING MACHINES

Sohn Washing Machine Factory, 660 E. 17th, Portland

## PRINTING AND BOOKBINDING

- Anderson Printing Co., 73½ Ash, Portland  
 Ansley Printing Co., 252 Washington, Portland  
 Arcady Press, 222 Stark, Portland  
 Astoria Budget Publishing Co., Astoria  
 Auterson-Bradley Co., 149½ 1st, Portland  
 Bailey & Dempsey, 227½ Stark, Portland  
 Baltes & Co., F. W., 1st & Oak, Portland  
 Banner-Courier, Oregon City  
 Benton County Courier, Corvallis  
 Bjorks Printery, 317 Russell, Portland  
 Boyer Printing Co., 85½ 5th, Portland  
 Browne & Co., H. C., 373 Yamhill, Portland  
 Bushong & Co., 91 Park, Portland  
 Chausse-Prudhomme Co., 306 Davis, Portland  
 Chronicle Publishing Co., The Dalles  
 Columbia Printing Co., 420 Morrison, Portland  
 Davis & Holman, Inc., 111 2nd, Portland  
 Dimm & Sons, Henry Bldg., Portland  
 Dunham Printing Co., 116 2nd, Portland  
 Dygert & Co., A. J., 231½ Oak, Portland  
 East Side Printing Co., 390 Belmont, Portland  
 Elgin Recorder, Elgin  
 Elliott, N. D., Salem  
 Eugene Guard, Eugene  
 Evening Democrat, Albany  
 Examiner Publishing Co., Lakeview  
 Glass & Prudhomme Co., 65 7th, Portland  
 Gresham Outlook, Gresham  
 Hanson Printing Co., 268 Madison, Portland  
 Herald Printing Co., Albany  
 Holly Press, 66½ 1st, Portland  
 Hood River News Co., Hood River  
 Independent Printing Co., 208 Alder, Portland
- Irwin-Hodson Co., 115 N. 15th, Portland  
 Ivy Press, 383 Stark, Portland  
 James, Kerns & Abbott, N. 9th & Flanders, Portland  
 Kern & Co., A. E., 215 4th, Portland  
 Keystone Press, 100½ Front, Portland  
 Kilham Stationery & Printing Co., 5th & Oak, Portland  
 Kleist & Co., Commonwealth Bldg., Portland  
 Kubli-Howell Co., 84 4th, Portland  
 La Grande Evening Observer Publishing Co., La Grande  
 Lange-Erickson, 111 12th, Portland  
 Lincoln & Allen, 112 1st, Portland  
 Marsh Printing Co., 122½ Front, Portland  
 Medford Mail Tribune, Medford  
 Metropolitan Printing Co., 211 Oak, Portland  
 Modern Printing & Publishing Co., 86 Broadway, Portland  
 Multnomah Printing Co., 68½ 1st, Portland  
 Oregon Press Co., 320 Davis, Portland  
 Pacific Development Society, Astoria  
 Pacific Stationery & Printing Co., 107 2nd, Portland  
 Pine Valley Herald, Halfway  
 Portland Printing House Co., 388 Taylor, Portland  
 Rodgers Paper Co., Salem  
 Rogers, J. R., 90 1st, Portland  
 Ryder Bros., Baker  
 Schwab Printing Co., 245½ Stark, Portland  
 Smith Printing Co., W. O., Klamath Falls  
 Springfield News, Springfield  
 St. Johns Review, 404 N. Jersey, Portland  
 Statesman Publishing Co., Salem  
 Sweeney, Varney & Straub, 152 Park, Portland  
 Wallowa County Reporter, Enterprise  
 Westerfield & Stone, McMinnville  
 Yoran Printing Co., Eugene

## TEXTILES, CLOTHING AND FURNISHINGS

- APRONS, CARPENTER, FRUIT-PICKING  
 Hirsch-Weis Mfg. Co., 205 Burnside, Portland  
 Medford Tent & Awning Co., Medford
- ART EMBROIDERY, HEMSTITCHING, CLOTH COVERED BUTTONS  
 Art Embroidery & Button Co., Morgan Bldg., Portland
- AWNINGS AND TENTS  
 Columbia Awning & Shade Co., 188 2nd, Portland  
 Hirsch-Weis Mfg. Co., 205 Burnside, Portland  
 Medford Tent & Awning Co., Medford  
 Pacific Tent & Awning Co., 1 2nd, Portland
- Pike Tent & Awning Co., 107 N. 3rd, Portland  
 Portland Tent & Awning Co., 220 Burnside, Portland
- BAGS AND BURLAP  
 Ames, Harris, Neville Co., 522 Hoyt, Portland  
 Noon Bag Co., W. C., 34 N. 1st, Portland  
 Pacific Grain Co., Board of Trade Bldg., Portland  
 Pike Tent & Awning Co., 107 N. 3rd, Portland  
 Winkleman Bag & Burlap Co., 14th & Johnson, Portland
- CAPS, CLOTH, MEN'S AND WOMEN'S  
 Jacobs Hat & Cap Works, Phoenix Bldg., Portland  
 Metropolitan Hat & Cap Mfg. Co., 131½ 2nd, Portland

**TEXTILES, CLOTHING AND FURNISHINGS—Continued****GARMENTS, MEN'S**

Brownsville Woolen Mills, 3rd & Morrison, Portland  
 Fleischer-Mayer Co., 207 Ash, Portland  
 Hirsch-Weis Mfg. Co., 205 Burnside, Portland  
 Neustadter Bros., 301 Ankeny, Portland  
 Oregon City Mfg. Co., 244 Russell, Portland  
 Oregon Knitting Mills, 212 3rd, Portland  
 Pacific Tent & Awning Co., 1 N. 1st, Portland  
 Pendleton Woolen Mills, Pendleton  
 Utility Garment Co., 167 1st, Portland

**GARMENTS, LADIES' AND CHILDREN'S**

Adams Garment Mfg. Co., 234 2nd, Portland  
 Art Embroidery & Button Co., Morgan Bldg., Portland  
 Baby Boudoir, The, 388 Morrison, Portland  
 Ball Mfg. Co., 4th & Couch, Portland  
 Ball Waist Co., W. J., Royal Bldg., Portland  
 Bergman & Lurie, Phoenix Bldg., Portland  
 Eastern Novelty Mfg. Co., 85½ 5th, Portland  
 Elson Mfg. Co., 453½ Washington, Portland  
 Fleischer, Mayer Co., 207 Ash, Portland  
 Golden West Suspender Co., Portland  
 Hirsch-Weis Mfg. Co., 205 Burnside, Portland  
 Jantzen Knitting Mills, Sandy & E. 20th, Portland  
 Mayers Women's Wear, 4th & Couch, Portland  
 McCreery Mfg. Co., The, Royal Annex, Portland  
 National Mfg. Co., 392 Morrison, Portland  
 Oregon Knitting Mills, 212 3rd, Portland  
 Shurek & Co., Morris L., Acorn Bldg., Portland  
 Sigel Mfg. Co., 382 Washington, Portland  
 Utility Garment Co., Inc., 167 1st, Portland  
 Waterproof Garment Co., 82½ 5th, N., Portland

**GLOVES AND MITTENS**

Beaver Glove Mfg. Co., 31 N. 5th, Portland  
 Gleason Glove Co., Salem

**JUTE MILLS**

Western Waste Co., 1540 Macadam, Portland

**KNITTING**

Jantzen Knitting Mills, 31 N. 5th, Portland  
 Oregon Knitting Mills, 212 3rd, Portland

**MATRESSES**

Allen-Wilden Bedding Co., 374 E. Washington, Portland  
 Carmen Mfg. Co., 1214 Macadam, Portland  
 Coos Bay Mattress Co., Marshfield  
 Crystal Mattress Works, 1661 E. 17th, Portland  
 Ellman Hygienic Mattress & Furniture Co., 384 Russell, Portland  
 King Fisher Mattress Co., 478 Albina Ave., Portland  
 Pettit Feather & Bedding Co., York & Guild, Portland  
 Portland Furniture Mfg. Co., 1249 Macadam Rd., Portland  
 United Manufacturing Co., 971 Sandy Blvd., Portland

**OVERALLS**

Fleischer, Mayer & Co., 2nd & Couch, Portland  
 Standard Factory No. 2, E. Taylor & Grand Ave., Portland

**RUGS**

Northwest Rug Works, 188 E. 8th, Portland  
 Portland Rug Co., E. 17th & Umatilla Ave., Portland  
 Western Fluff Rug Co., 54 Union Ave. N., Portland

**SHIRTS, MEN'S**

Fleischer, Mayer & Co., 2nd & Couch, Portland  
 Hirsch-Weis Mfg. Co., 205 Burnside, Portland  
 Jacobs Shirt Co., Raleigh Bldg., Portland  
 Oregon City Mfg. Co., 244 Russell, Portland  
 Pendleton Woolen Mills, Pendleton  
 Shirek & Sons Co., 311 Pine, Portland  
 Waterproof Garment Co., 82½ 5th, North Portland  
 Standard Factory No. 2, E. Taylor & Grand Ave., Portland

**WASTE**

Northwest Waste & Cotton Co., Nicolai & Lake, Portland  
 Western Waste Co., 1540 Macadam, Portland

**WATERPROOF CLOTHING**

Hirsch-Weis Mfg. Co., 204 Burnside, Portland  
 Neustadter Bros. (Standard Factory No. 2), 301 Ankeny, Portland  
 Pacific Tent & Awning, 1 N. 1st, Portland  
 Waterproof Garment Co., 82½ 5th N., Portland

**WINDOW SHADES**

Columbia Mills Inc., The, Royal Bldg., Portland

**TEXTILES, CLOTHING AND FURNISHINGS—Continued****WOOLEN GOODS**

Brownsville Woollen Mills, 3rd & Morrison, Portland  
 Eugene Woollen Mills Co., Eugene  
 Jantzen Knitting Mills, 31 N. 5th, Portland  
 Kay Woollen Mill Co., Thos., Salem  
 Oregon City Mfg. Co., Oregon City

Pendleton Woollen Mills, Pendleton  
 Portland Woollen Mills, Ft of W. Baltimore, Portland  
 Santiam Woollen Mills, Stayton

**YARNS**

Oregon Worsted Co., Umatilla Ave. & 27th, Portland

**WOOD AND WOOD PRODUCTS****APPLE GRADERS**

Cutler Mfg. Co., 351 E. 10th, Portland

**BARRELS AND CASKS**

California Barrel Co., Milwaukie  
 Finke Bros., 183 Madison, Portland  
 Layton Cooperage Co., 307 Water, Portland  
 National Tank & Pipe Co., 275 Oak, Portland  
 Oregon Cooperage Co., Box 156, Portland  
 Pacific Cooperage Co., 20th & York, Portland  
 Western Cooperage Co., 1233 Northwestern Bank Bldg., Portland

**BASKETS**

Champion Mfg. Co., E 27th & Morgan, Portland  
 Multnomah Lumber & Box Co., Ft of Bancroft Ave., Portland  
 Portland Basket & Handle Co., 1321 Macadam, Portland  
 Willowcraft Furniture Co., Orenco

**BEE HIVES**

Lumber Products Co., 1454 Macadam, Portland  
 Williams Bros., Portland

**BOATS AND WOOD SHIPS**

Auto Boat Mfg. Co., 266 Hawthorne, Portland  
 Kruse & Banks Shipbuilding Co., North Bend  
 Leach & Ingson, Reedsport  
 Mathenlis, G. F., Ft of McKenna Ave., Portland  
 Pioneer Boat Yard, Marshfield  
 Portland Shipbuilding Co., Ft of Nebraska, Portland  
 St. Helens Shipbuilding Co. St. Helens  
 Stonelake, John, Astoria  
 Von der Werth, W. H. & E., East End of Morrison St. Bridge, Portland  
 Wilson Shipbuilding Co., Astoria

**BOX FACTORY SPECIALTIES**

Economy Wire Tie & Mfg. Co., 55 1st Portland  
 Irvington Machine Works, 375 E. 6th, Portland

**BOXES AND BOX SHOOKS**

Acme Planing Mill, Bandon  
 Adams Bros. Lumber Co., Elgin  
 Albany Box Factory, Albany  
 Algoma Lumber Co., Algoma  
 American Box & Crate Mfg. Co., 1050 Nicolai, Portland  
 Astoria Box Co., Astoria  
 Baker White Pine Lumber Co., Baker

Bardell Lumber & Box Co., Freewater (Plant also at Milton)  
 Barham Bros., Siskiyou  
 Big Basin Lumber Co., Klamath Falls  
 Big Lakes Box Co., Klamath Falls  
 Borkgren's Mill, Cove  
 Bridal Veil Lumber Co., Bridal Veil  
 Brooks-Scanlon Lumber Co., Bend  
 Buck, W. R., Reedsport  
 Buck Box & Crate Co., Eugene  
 Cabinet & Box Factory, Albany  
 Casey Lumber Co., The, Meacham  
 Coos Veneer & Box Co., Marshfield  
 Corvallis Lumber Mfg. Co., Corvallis  
 Dayton Box & Lumber Co., Dayton  
 East Side Box Co., Ft of Spokane Ave., Portland  
 Eccles Lumber Co., Baker  
 Ewauna Box Co., Klamath Falls  
 Falls City Box & Mfg. Co., Falls City  
 Flook Mill, J. G., Roseburg  
 Fry, Thos., Sheridan  
 Gagnon Lumber & Box Co., Medford  
 Gordon Box Co., Hemlock  
 Grande Ronde Lumber Co., Perry  
 Growers Packing & Warehouse Co., Klamath Falls  
 Imbler Box & Lumber Co., Imbler  
 Jacobs & Hess Lumber Co., Union  
 Klamath Mfg. Co., Klamath Falls  
 Lumber Products Co., Klamath Falls  
 Manchester Box & Lumber Co., The Dalles  
 McDowell Bros., Richland  
 Milton Box Co., Milton  
 Mt. Hood Lumber Co., Parkdale  
 Multnomah Lumber & Box Co., Ft of Bancroft Ave., Portland  
 Nibley-Mimnaugh Lumber Co., Wal-lowa  
 North Portland Box Co., North Portland  
 Northwest Box Co., Park Rose, R. F. D. A., Portland  
 Northwest Plug Co., 554 E. 10th, Portland  
 Oerding Mfg. Co., Coquille  
 Oregon Box & Mfg. Co., 1144 Macadam, Portland  
 Oregon Lumber Co., 1012 Yeon Bldg., Portland (Plants at Baker and Dee)  
 Orwood Box Co., Ft of Curry, Portland  
 Palmer Lumber Co., The Geo., La Grande  
 Perry Veneer Co., Bandon  
 Peyree & Jacobs, Twin Rocks  
 Phelps, O. B., Enterprise  
 Pine Box Co., Grants Pass  
 Portland Box & Excelsior Works, 1036 E. Broadway, Portland  
 Portland Mfg. Co., Ft W. Richmond, Portland  
 Prairie Box Co., Prairie  
 Prouty Lumber & Box Co., Seaside  
 Sheridan Box Factory, Sheridan  
 Shevlin-Hixon Co., Bend

## WOOD AND WOOD PRODUCTS—Continued

Shiria, A. E., Sutherlin  
 Spaulding Logging Co., Chas. K.,  
 Salem  
 Stoddard Lumber Co., Baker  
 Tillamook Box Co., Bay City  
 Tomlin Box Co., Medford  
 Union Pine Lumber Co., Union  
 West Coast Box & Lumber Co., North  
 Portland  
 Willamette Box & Lumber Co., Linn-  
 ton Station, Portland  
 Willamette Valley Lumber Co., Dal-  
 las

## BOXES, CIGAR

Portland Cigar Box Mfg. Co., 668  
 Hood, Portland

## CABINETS AND FIXTURES

Albany Box Factory, Albany  
 Acme Fixture Co., 311 N. 16th, Port-  
 land  
 Bailey Cabinet Shop, N. J., St. Johns  
 Station, Portland  
 Buckner, W. L., 404 Davis, Portland  
 Carrell & Mayran, Hermiston  
 Columbia Fixture & Furniture Co.,  
 421 E. Morrison, Portland  
 Dittmer, Henry, 269 E. 6th, Portland  
 Enterprise Planing Mill Co., 300 E.  
 Yamhill, Portland  
 Far West Mfg. Co., Albany  
 Fenner Mfg. Co., Ft of McKenna,  
 Portland  
 Gurien, D., 646 2nd, Portland  
 Hawthorne Bracket Co., 1065 E. Madi-  
 son, Portland  
 Hankel & Co., 860 Williams Ave.,  
 Portland  
 Johnson, Frank, 180 Union Ave., Port-  
 land  
 Kautz Mfg. Co., 26th & Nicolai, Port-  
 land  
 Lutke Mfg. Co., 6th & Hoyt, Portland  
 Marshall Mfg. Co., James I., 452 Hoyt,  
 Portland  
 Moffat, Thos. Medford  
 Nelson's Ladder Works, 267 2nd,  
 Portland  
 Schmidt & Co., Frank, 181 E. 8th,  
 Portland  
 Trowbridge Cabinet Works, Medford  
 Tullio De Nucci, 100 3rd, Portland  
 Valentine Mfg. Co., Portland  
 Western Fixture & Show Case Co.,  
 16th & Jefferson, Portland  
 Wilkinson Lumber Co., 1793 Derby  
 Portland  
 Williams Ave. Planing Mill, 831 Wjli-  
 ams, Portland  
 Woods & Son, 131 Union Ave, Port-  
 land

## CASKETS

Great Northern Casket Co., Macadam  
 & Gains, Portland  
 Oregon Casket Co., 101 N. 5th, Port-  
 land

## CRATES

Advance Mfg. Co., St. Johns Station,  
 Portland  
 American Box & Crate Mfg. Co., 1050  
 Nicolai, Portland

## CROSS ARMS

Barnes-Lindsey Mfg. Co., Box 274,  
 Portland

East Side Mill & Lumber Co., Ft  
 Spokane, Portland  
 National Tank & Pipe Co., Kenton  
 Station, Portland

## EXCELSIOR

Eugene Excelsior Co., Eugene  
 Excelsior Mfg. Co., Marshfield  
 Portland Mfg. Co., St. Johns Station,  
 Portland

## FURNITURE

Albany Furniture Mfg. Co., Albany  
 Carman Mfg. Co., 1214 Macadam,  
 Portland  
 Columbia City Furniture Factory,  
 Columbia City  
 Doernbecker Mfg. Co., E. 28th & O.  
 W. R. & N. Tracks, Portland  
 Frazer Mfg. Co., 133 Water, Portland  
 Freeland Furniture Co., 970 Macadam,  
 Portland  
 Kollock Mfg. Co., 652 2nd, Portland  
 Nursery Furniture & Mfg. Co., 511  
 Fenton Bldg., Portland  
 Oregon Chair Co., 1190 Macadam Rd,  
 Portland  
 Oregon Table Co., Lewis & Loring,  
 Portland  
 Portland Furniture Mfg. Co., 1249  
 Macadam Road, Portland  
 Sumner Furniture Mfg. Co., 40 Union  
 Ave., Portland  
 Universal Bed Co., Vancouver & Tilla-  
 mook, Portland  
 Veal & Son, R., Albany  
 Wahkeena Furniture Mfg. Co., 441 E.  
 Lombard, Portland  
 Willowcraft Furniture Co., Orenco

## HANDLES

Eugene Handle Co., Eugene  
 Humberg Mfg. Co., Mt. Angel  
 Illihee Mill & Mfg Co., Oakland  
 Oregon Handle Mfg. Co., Newberg  
 Oregon Wood Products Co., Salem  
 Portland Basket & Handle Co., 1321  
 Macadam, Portland  
 Valley Mfg. Co., Woodburn  
 Western Oregon Handle Co., 933 San-  
 dy Blvd., Portland  
 Willamina Handle Factory, Willa-  
 mina  
 Zan Bros., 52 Front, Portland

## LADDERS

Far West Mfg. Co., Albany  
 Hardie Mfg. Co., 49 N. Front, Port-  
 land  
 Lumber Products Co., 1454 Macadam,  
 Portland  
 Mitchell Ladder Co., Medford  
 Nelson Ladder Works, 267 2nd, Port-  
 land  
 Northwest Fence & Wire Works, N.  
 10th & Flanders, Portland

## LATH

Astoria Box Co., Astoria  
 Baker White Pine Lumber Co., Baker  
 Brighton Mills Co., Brighton  
 Buck, W. R., Reedsport  
 Clatsop County Lumber Co., Astoria  
 Coos Bay Lumber Co., Marshfield  
 Hammond Lumber Co., Astoria

## WOOD AND WOOD PRODUCTS—Continued

Hickings Bros., Bandon  
 Johnson Lumber Co., Coquille  
 Kajak Lumber Mfg. Co., E. 2nd & Market, Portland  
 Kruger Bros., Oregon City  
 Marling Co., W. P., Eugene  
 Miller & Powell, Chiloquin  
 Oregon City Lath Co., Oregon City  
 Portland Lath Mfg. Co., 72nd. & Whitney, Portland  
 Siletz Bay Lumber Co., Siletz  
 Thom, Ernest P., 6904 Foster Road, Portland  
 Todd & Owen, Molalla  
 Watt Shingle Co., Twin Rocks  
 Westport Lumber Co., Westport  
 Yellow Fir Lumber Co., Tillamook

## MYRTLE WOOD NOVELTIES

Pomeroy & Duncan, Marshfield

## PATTERNS

B. J. & S. Pattern Shop, 382 E. Washington, Portland  
 Bend Iron Works, Bend  
 Coast Engine & Machine Works, Ft of E. Taylor, Portland  
 Portland Pattern Works, 174 E. Water, Portland  
 Szviel, F. J., 68 1st, Portland  
 West Side Pattern Works, Ft of Stark, Portland  
 Willamette Pattern Works, 201 E. Water, Portland

## PIPES, WOOD

Continental Pipe Mfg. Co., Kenton Station, Portland

## PLANING MILLS

Acme Planing Mill, Bandon  
 Adams Bros., Lumber Co., Elgin  
 Aladdin Co., North Portland  
 Albany Hardwood Mill, Albany  
 Albany Lumber Co., Albany  
 Albany Planing Mill, Albany  
 Alco Wood Products Co., Albany  
 Astoria Box Co., Astoria  
 Astoria Lumber Co., Astoria  
 Baker White Pine Lumber Co., Baker  
 Bardell Lumber & Box Co., Freewater  
 Beals, Fred R., Tillamook  
 Beaver Lumber Co., Prescott  
 Beaverton Planing Mill, Beaverton  
 Bennett, M. F., Baker  
 Big Basin Lumber Co., Klamath Falls  
 Booth-Kelly Lumber Co., Eugene  
 (Plants at Wendling and Springfield)  
 Borkgren's Mill, Cove  
 Bridal Veil Lumber Co., Bridal Veil  
 Brighton Mills Co., Brighton  
 Brooks-Scanlon Lumber Co., Bend  
 Buehner Lumber Co., North Bend  
 Burlington Mill Co., Linnton Station, Portland  
 Burroughs Co., B. L. Pendleton  
 Cameron-Hogg Lumber Co., Bull Run  
 Carlton Consolidated Lumber Co., Carlton  
 Carman Mfg. Co., 1214 Macadam, Portland  
 Casey Lumber Co., Meacham  
 Central Door & Lumber Co., 13th & Glisan, Portland

Central Planing Mill, Corvallis  
 Clark & Wilson Lumber Co., Linnton Station, Portland  
 Clatsop County Lumber Co., Astoria  
 C. & O. Lumber Co., Brookings  
 Coast Range Lumber Co., Mabel  
 Coates Lumber Co., A. F., Tillamook  
 Columbia County Lumber Co., St. Helens  
 Coos Bay Lumber Co., Marshfield  
 Corvallis Lumber Mfg. Co., Corvallis  
 Cottage Grove Mfg. Co., Cottage Grove  
 Coy Planing Mill, Dallas  
 Crandall Bros., Lebanon  
 Crossett Western Lumber Co., Wauna  
 Dallas Planing Mill, Dallas  
 Dawson Bros. Planing Mill, Joseph  
 Dayton Box & Lumber Co., Dayton  
 Dixie Lumber Co., Prairie  
 Drain Lumber Co., Drain  
 Eagle Lumber Co., West Timber  
 East Side Mill & Lumber Co., Ft of Spokane Ave., Portland  
 East Oregon Lumber Co., Enterprise  
 Eastern & Western Lumber Co., Front & Colton, Portland  
 Eccles Lumber Co., W. H., Baker  
 Eighth Street Planing Mill, Eugene  
 Emerson Hardwood Co., N. Front & 20th, Portland  
 Enterprise Planing Mill Co., 316 E. Yamhill, Portland  
 Everett Lumber Co., Willamina  
 Ewing Bros., Planer, New Bridge  
 Falls City Lumber & Logging Co., Falls City  
 Fischer Bros. Lumber Co., Marcola  
 Flook Co., The, J. G., Roseburg  
 Gimre Planing Mill, Astoria  
 Glendale Lumber Co., Glendale  
 Gotter Kemper, Inc., Enterprise  
 Grande Ronde Lumber Co., Perry  
 Grants Pass Lumber Co., Wolf Creek  
 Griswold Grier Lumber Co., Falls City  
 Haines Lumber Co., Haines  
 Hall Lumber Co., Tualatin  
 Hammond Lumber Co., Gasco Bldg., Portland (Plants at Astoria and Mill City)  
 Hansen Planing Mill, Vale  
 Hansen Planing Mill, A. M., Salem  
 Heppner Planing Mill, Heppner  
 Hubbs Planing Mill, Silverton  
 Hult Lumber Co., Mulino  
 Inman-Paulsen Lumber Co., Ft of E. Caruthers, Portland  
 Jacobs, Julius T., Astoria  
 Jacobs & Hess Lumber Co., Union, (Plant also at North Powder)  
 Johnson Lumber Co., Coquille  
 Jones Lumber Co., 1280 Macadam, Portland  
 Kautz Mfg. Co., 26th & Nicolai, Portland  
 Key Lumber Co., Wallowa  
 La Grande Lumber & Mill Co., La Grande  
 Lapwai Lumber Co., Enterprise  
 Leona Mills Lumber Co., Leona  
 Lumber Products Co., 1454 Macadam, Portland  
 M. J. Lumber Co., Glendale  
 M. & M. Woodworking Co., 800 Multnomah, Portland

## WOOD AND WOOD PRODUCTS—Continued

Manchester Box & Lumber Co., The Dalles  
 McDowell Bros., Richland  
 McFarlane Bros., Manning  
 Menefee Lumber Co., L. B., Rainier  
 Midgley Planing Mill Co., Eugene  
 Moffatt, Thos., Medford  
 Mohawk Lumber Co., Mohawk  
 Moore Mill & Lumber Co., Bandon  
 Myrtle Point Mill & Lumber Co., Myrtle Point  
 Nibley-Minnaugh Lumber Co., Wal-lowa  
 Nicolai-Neppach Co., 227 Davis, Port-land  
 North Bend Mill & Lumber Co., North Bend  
 North Portland Box Co., North Port-land  
 Northern Pacific Lumber Co., Ft of Sherlock Ave., Portland  
 Northwest Plug Co., 554 E 10th, Port-land  
 Oak Creek Lumber Co., Corvallis  
 Oak Grove Lumber Co., Hood River  
 Oregon Door Co., Ft of Spokane Ave., Portland  
 Oregon Lumber Co., 1012 Yeon Bldg., Portland (Plants at Baker and Dee)  
 Pacific Milling & Mfg. Co., St. Johns Station, Portland  
 Palmer Lumber Co., Geo., La Grande  
 Peninsula Lumber Co., Ft of McKen-na, Portland  
 Portland Lumber Co., Ft of Lincoln, Portland  
 Pound, H. F., Canyon City  
 Prosper Mill Co., Prosper  
 Prouty Lumber & Box Co., Seaside  
 Redmond Pine Lumber Co., Red-mond  
 Reedsport Planing Mill Co., Reeds-port  
 Ryan-Allen Lumber Co., Sheridan  
 Schmidt Co., Frank, 181 E. 8th, Port-land  
 Scio Logging & Lumber Co., Scio  
 Shevlin-Hixon Co., Bend  
 Shiria, A. E., Sutherlin  
 Siletz Spruce Co., Philomath  
 Silver Falls Timber Co., Silverton  
 Silverton Lumber Co., Silverton  
 Southern Oregon Lumber Co., Med-ford  
 Spaulding Logging Co., Chas. K., Oregonian Bldg., Portland, (Plants at Salem, McMinnville and New-berg)  
 St. Helens Lumber Co., St. Helens  
 St. Johns Lumber Co., St. Johns Sta., Portland  
 St. Johns Planing Mill Co., St. Johns Station, Portland  
 Standard Box & Lumber Co., Buxton  
 Stefani, A., Canby, (Plant also at Molalla)  
 Stevens & Farris Lumber Co., Walton  
 Stevens Planing Mill, Astoria  
 Stoddard Lumber Co., Baker  
 Toledo Planing Mill, Toledo  
 Trowbridge Cabinet Works, Medford  
 Tucker, R. L., Hillsboro  
 Tum-a-Lum Lumber Co., Prineville  
 Underwood Lumber Co., Lakeview  
 W. C. Planing Mill Co., The, Forest Grove  
 Welsh, Francis, Oregon City

West Oregon Lumber Co., Linnton  
 Station, Portland  
 Western Lumber & Export Co., Cot-tage Grove  
 Westport Lumber Co., Westport  
 Wheeler Lumber Co., Wheeler  
 Whitney Lumber Co., Garibaldi  
 Willamette River Lumber Co., Ore-gon City  
 Willamette Valley Lumber Co., Dallas  
 Williams Ave. Planing Mill, 831 Wil-liams Ave., Portland  
 Wilson Lumber Co., Enterprise  
 Wind River Lumber Co., Cascade Locks  
 Yamhill Planing Mill, Yamhill

## PORTABLE BUILDINGS

Aladdin & Co., North Portland  
 B. M. C. & N. Lbr. Co., 50th & Pow-ell Valley Road, Portland  
 Fenner Mfg. Co., Ft of McKenna, Portland  
 Gunther-King Co., 146 Page, Portland  
 Mill Made Construction Co., Williams & Faragut, Portland  
 Stay Round Silo Co., Portland

## SASH AND DOORS

Albany Planing Mill, Albany  
 Astoria Warrenton Planing Co., War-renton  
 Central Door & Lumber Co., 13th & Glisan, Portland  
 Enterprise Planing Mill Co., 316 E. Yamhill, Portland  
 Flook Co., J. G., Roseburg  
 Hescoek Sash & Door Co., 212 1st, Portland  
 Heyd & Co., Frank, Tillamook  
 Kautz Mfg. Co., 26th and Nicolai, Portland  
 Lakeside Lumber Co., Klamath Falls  
 M. & M. Woodworking Co., 800 Mult-nomah, Portland  
 Moffat, Thomas, Medford  
 Nicolai Door Mfg. Co., Kenton Sta., Portland  
 Nicolai-Neppach Co., 227 Davis, Port-land  
 Oregon Door Co., Ft of Spokane Ave., Portland  
 Reedsport Planing Mill, Reedsport  
 Schmidt Co., Frank, 181 E. 8th, Port-land  
 Shevlin-Hixon Co., Bend  
 Spaulding Logging Co., Chas. L., Ore-gonian Bldg., Portland (Plants at Salem and McMinnville)  
 Stevens Planing Mill, Astoria  
 St. Johns Planing Mill, St. Johns Station, Portland  
 Stoddard Lumber Co., Baker  
 Three C. Lumber Co., Grants Pass  
 Tucker, R. L., Hillsboro

## SAW MILLS

Aagard Lumber Co., Glenwood  
 Aason, John, Coquille  
 Ackley Bros., Klamath Falls  
 Adams Bros., Elgin  
 Addison Bros., Lorane  
 Agren & Lickentritt, Olney  
 Albany Hardwood Mill, Albany  
 Albany Lumber Co., Albany

## WOOD AND WOOD PRODUCTS—Continued

- Alco Wood Products Co., Anlauf  
 Algoma Lumber Co., Algoma  
 Allen Bros. & Logsdon, Noti  
 Alley Lumber Co., Bay City  
 Alsea Lumber Co., Alsea  
 Alsea River Lumber Co., Alpine  
 Alsleben, Adolph, Timber  
 Altree, O. R., Toledo  
 Ankeny Lumber Co., Scotts Mills  
 Anderson Sawmill, Willamina  
 Anderson Burgess Lumber Co., Eugene  
 Anderson & Burns Lumber Co., Summerville  
 Anderson & Woodcock, Kerby  
 Antone Sawmill, Antone  
 Apex Lumber Co., Selma  
 Applegate Lumber Co., Medford  
 Arvidson, T. P., Hereford  
 Ashbaugh's Mill, Fred, Hardman  
 Aspinwall, Ray, Brooks  
 Astoria Box Co., Astoria  
 Astoria Lumber Co., Astoria  
 Bailey Lumber Co., Oregon City  
 Baird Bros. Lumber Co., Umpqua  
 Baker White Pine Lumber Co., Baker  
 Bardell Lumber & Box Co., Freewater  
 Barham Bros., Siskiyou  
 Barrett & Ice, Fremont  
 Bates, F. W., Eagle Creek  
 Bay Park Lumber Co., North Bend  
 Bayles & Son, Geo. J., Dallas, R. 2  
 Beach Creek Sawmill, Beach Creek  
 Beals, Fred R., Tillamook  
 Bear Valley Sawmill, Mt. Vernon  
 Beaver Lumber Co., Prescott  
 Beede, Roy, Comstock  
 Begman's Sawmill, Medical Springs  
 Beidler's Mill, Lostine  
 Bellview Sawmill, Granite  
 Belt, Robertson & Belt, Yamhill  
 Bennett Lumber Co., Halfway  
 Bennett Sawmill, M. F., Baker  
 Best, J. W., Corvallis  
 Big Lakes Lumber Co., Klamath Falls  
 Bigelow-Doane Lumber Co., Nashville  
 Bilyu & Wallace, Lebanon  
 Binder, Chas., Elkton  
 Birkenfeld Lumber Co., Birkenfeld  
 Blakey & Water, Silverton  
 Blodgett & Olmstead, Summit  
 Bluhm & Moehnkne, Hoff  
 Bohemia Lumber Co., Dorena  
 Bolter-Henneman Lumber Co., Hubbard  
 Bond & Bates, Myrtle Creek  
 Bonney, W. H., Oregon City  
 Bonney Lumber Co. L. S., Lebanon  
 Booth-Kelly Lumber Co., Eugene  
 (Plants at Wendling and Springfield)  
 Borland & Thomas, Grants Pass  
 Boughy Lumber Co., Wren  
 Braggs, Geo., Junction City, R. 3  
 Braun Bros., Buxton  
 Bredemeier, Ed., Gaston, R. 1  
 Brewer, John H., Silverton, R. 3  
 Bridal Veil Lumber Co., Bridal Veil  
 Briggs Lumber Co., Walker  
 Brighton Mills Co., Brighton  
 Brightwood Lumber Co., Cherryville  
 Brock & Co., Waterloo, R. 1  
 Bronson, Geo. H., Monmouth, R. 1  
 Brooks-Scanlon Lumber Co., Bend  
 Brown, A. D., Falls City  
 Brown-Petzel Lumber Co., Stayton  
 Brown's Sawmill, Unity  
 Brun's Lumber Co., Sandy  
 Bryant Mountain Sawmill, Malin  
 Buchanan Lumber Co., Halfway  
 Buckner Timber Co., Oregon City  
 Buehner Lumber Co., North Bend  
 Buell Mill Co., Falls City  
 Burlington Mill Co., Linnton Station, Portland  
 Busser Mill, Elgin  
 Butte Creek Lumber Co., Scotts Mills  
 Butte Falls Lumber Co., Butte Falls  
 C. & O. Sawmill, Brookings  
 Cadwalder & Bros., S. W., Blodgett  
 Callahan & Son, J. C., Cove Orchard  
 Camas Lumber Co., Lakeview, (Plant also at Lowell)  
 Cameron-Hogg Lumber Co., Bull Run  
 Cameron Lumber Co., Albany  
 Camp Creek Sawmill, Ironsides  
 Canaday, W. H., Crow  
 Canyon Lumber Co., La Grande, R. 2  
 Carman Mfg. Co., 1214 Macadam, Portland  
 Carpenter Lumber Co., Geo. W. Elmira  
 Carpenter & Moyer, Saginaw  
 Carson, J. C., Yachats  
 Carter Bros., Hemlock  
 Cascade Mill Co., Foster  
 Casey Lumber Co., Meacham  
 Cedar Creek Lumber Co., Linnton Station, Portland  
 Chamberlain, M. A., Junction City  
 Chambers, J. H., Cottage Grove  
 Chapman, F. M., Divide  
 Chapman Mill, Fossil  
 Chesley Lumber Co., Toledo  
 Chiloquin Lumber Co., Chiloquin  
 Christensen & Bridges, Sitkum  
 Christy Bros., Klamath Falls  
 Clark Lumber Co., Millwood  
 Clark & Son, W. M., Summit  
 Clark & Wilson Lumber Co., Linnton Station, Portland  
 Clatsop County Lumber Co., Astoria  
 Clear Creek Lumber Co., Estacada  
 Cleveland, S. C., Falls City  
 Climax Lumber & Mfg. Co., Blodgett  
 Coast Range Lumber Co., Mabel  
 Coates Lumber Co., A. F., Tillamook  
 Cogan & Son, S. R., Cornelius  
 Cole, James, Summit  
 Cole, N. E., Aurora  
 Collard, W. P., Gervais  
 Columbia County Lumber Co., St. Helens  
 Columbia Lumber Co., The Dalles  
 Columbia River Light & Power Co., Cascade Locks  
 Compton & Frohnhofner Mill, Grizzly  
 Comstock, Brown & Alm Co., Silverton  
 Cone Lumber Co., Fossil  
 Consolidated Lumber Co., Gales Creek  
 Coon Creek Sawmill, Grizzly  
 Coos Bay Lumber Co., Marshfield  
 Coquille Lumber Co., Coquille  
 Corner & Gilman, Grants Pass  
 Cornett Mason Lumber Co., Grizzly  
 Corvallis Lumber Mfg. Co., Corvallis  
 Cotes Sawmill, P., Joseph  
 Cougle, R. N., Williams  
 Counts, W. P., Grants Pass  
 Cox Mill, Geo. W., Bandon  
 Cram Bros., Noti  
 Craycraft & Morgan, Rainier  
 Critchlow's Sawmill, Durkee

## WOOD AND WOOD PRODUCTS—Continued

- Crossett Western Lumber Co., Wauna  
 Crowe, E. R., Lorane  
 Culver, James, Bridge  
 Cummings Sawmill, Mt. Vernon  
 Daugherty & Brugman, Albee  
 Daugherty Lumber Co., Curtin  
 Davis Mill, Union  
 Davis & Webber, Airlie  
 Dawson Bros., Joseph  
 De Armond Bros., Klamath Falls  
 Del Norte Mining Co., Takilmo  
 Demaris, J. W., Prineville  
 Denmark Sawmill, Denmark  
 Dennis Lumber Co., Elmira  
 Deschutes Lumber Co., Bend  
 DeWolf, L. G., Canyon City  
 Dimick & Falk, Sixes  
 Dix Lumber Co., Mulino  
 Dixie Lumber Co., Prairie  
 Dober Bros., Vernonia  
 Dobson, Fred, Thomas  
 Doernbecher Mfg. Co., E. 28th, Portland (Mill at Coasco)  
 Doherty Mill, Pat, Gurdane  
 Doran's Sawmill, Flora  
 Dorn Lumber Co., Banks  
 Doud & Hescocock, Promise  
 Douty Lumber Co., Cochran  
 Doyle, C. R., Dufur, R. 1, Box 12  
 Drain Lumber Co., Drain  
 Drewett's Sawmill, Drewsey  
 Dryburgh Tie & Lumber Co., Coburg  
 Dry Creek Lumber Co., Summerville  
 Duckett Lumber Co., J. T., Sisters  
 Dufur Lumber Co., Dufur  
 Dunbar & Son, Wolf Creek  
 Dundee, Fred, Gaston  
 Dupray Lumber Co., Butte Falls  
 Dutton Lumber Co., H. P., Westlake  
 Eagle Lumber Co., West Timber  
 Earnest, W. E., Waldport  
 East Oregon Lumber Co., Enterprise  
 East Pine Lumber Co., Halfway  
 East Side Box Co., Ft of Spokane Ave., Portland  
 East Side Mill & Lumber Co., Ft of Spokane Ave., Portland  
 Eastern & Western Lumber Co., N. Front & Colton, Portland  
 Eccles Lumber Co., W. H., Austin  
 Edgerton Lumber Co., J. T., Mt. Angel  
 Edmond's Sawmill, Minam  
 Edson Mill, Sparta  
 Edwards Louis, Norton  
 Elam Lumber Co., Elam  
 Elk City Lumber Co., Banks  
 Elliott, O. D., Grande Ronde  
 Elliott & Freeman, Colton  
 Elmira Lumber Co., Elmira  
 Ely Sawmill, Chas., Gurdane  
 Embody Aldrich Co., Silver Lake  
 Emerson Hardwood Co., N. Front & 20th, Portland  
 Endrup Mill, Halfway  
 Engle, G., Cove Orchard  
 Eugene Western Lumber Co., Veneta  
 Evans & Son, A. E., Wren  
 Everett Lumber Co., Willamina  
 Evergreen Lumber Co., Philomath  
 Ewauna Box Co., Klamath Falls  
 Ewing Bros. Sawmill, New Bridge  
 Fabric & Welch, Phoenix  
 Falls City Lumber & Logging Co., Falls City  
 Ferry Mill & Lumber Co., Linnton Station, Portland  
 Fiddler, A. A., North Powder  
 Fields, Robt. H., Brownsville  
 Fir Mill & Construction Co., Hood River  
 Fish & Doy, Gaston  
 Fisher Lumber Co., Marcola  
 Fisher Lumber Co., Carl E., Walton  
 Fisher's Sawmill, J. S., Hubbard  
 Five Point Lumber Co., Glendale  
 Forest Products Sales Co., Warrenton  
 Foster Lumber Co., S. A., Kings Valley  
 Foster Sawmill, F. S., Meda  
 Fox, A. W., Noti  
 Franklin Lumber Co., Junction City  
 Fry, E. R., Lowell  
 Fyfe-Wilson Lumber Co., Bandon  
 G. H. P. Lumber Co., Hillsboro  
 Gagnon Lumber & Box Co., Medford  
 Gamble Lumber Co., Lyons  
 Gardner, G., Mountindale  
 Gates Mill Co., Gates  
 Gaumire, L. D., 468 W. State, Eugene  
 Gerlich & Hodrr Lumber Co., Lebanon  
 Gerlich Tie & Timber Co., Lebanon  
 Getchell, W. A., Enterprise  
 Gibbon's Sawmill, Riley  
 Giger Bros., Scotts Mills  
 Gilkey, H. L., Dorris, Calif.  
 Gilkison, J. R., Keating  
 Gleim & McGrew, Talent  
 Glendale Lumber Co., Glendale, (Plant also at Fernvale)  
 Glen Oak Lumber Co., Oregon City  
 Gold Creek Lumber Co., Willamina  
 Golden Bros. Lumber Co., Cloverdale  
 Gooch Lumber & Shingle Co., Gooch  
 Gordan, H. L., Silverton  
 Grande Ronde Lumber Co., Perry  
 Grants Pass Lumber Co., Wolf Creek  
 Great Bend Lumber Co., St. Paul  
 Grisez Lumber Co., Bonanza  
 Griswold-Davis Lumber Co., Falls City  
 Groner & Rowell Co., Hillsboro, R. 2  
 Guistina Bros., Birkenfeld  
 Hackbarth Mill, Enterprise  
 Hackett Lumber Co., Elgin  
 Hadden Lumber Co., Manhattan Beach  
 Hadley Bros., Silverton  
 Hadley & Bauman, Lorane  
 Hagen, A. J., Hood River, R. 2, Box 138  
 Hall, A. A., Eagle Point  
 Hall Lumber Co., Tualatin  
 Hall, W. H., John Day  
 Hallock, F. S., Cherry Grove  
 Halstead & Co., Albert, Trester  
 Hamilton & Reagen, Hillsboro  
 Hamilton Lumber Co., Dallas  
 Hammack's Sawmill, W. J., Enterprise  
 Hammond Lumber Co., Gasco Bldg., Portland (Plants at Astoria and Mill City)  
 Hannan, Edgar, Elmira  
 Hannan & Wilhelm, Noti  
 Hansen, H. J., Forest Grove  
 Hansen Sawmill, H. N., Long Creek  
 Hardesty, H., Sherwood, R. 1, Box 64  
 Hargreaves Bros. & Morris, Eugene  
 Harney Sawmill, Harney  
 Harney Valley Lumber Co., Burns  
 Harper, Robert, Junction City

## WOOD AND WOOD PRODUCTS—Continued

- Harrisburg Lumber & Mfg. Co., Har-  
 risburg  
 Harvey Lumber Co., Comstock  
 Haskell Carpenter Co., Cherry Grove  
 Haynes & Son, A. F., Dufur, R. 1,  
 Box 37  
 Hedin Mill, Wapinitia  
 Heinley's Sawmill, Gresham, R. 3  
 Heiple & Buell, Molalla  
 Heiser, W. W., Newberg  
 Heller, L. F. R., Gravel Ford  
 Hill Bros., Dexter  
 Hills Creek Lumber Co., Jasper  
 Hogan, S. Riley, Corvallis  
 Holland & Clausner, Crow  
 Hopkins & Son, D. B., Eugene  
 Hopper, M. D., Curtin  
 Horner Bros., Sweet Home, Box 176  
 Horner & Millard, Mulino  
 Horton Lumber Co., E. J., Horton  
 Hughes Bros., Junction City  
 Hult Lumber Co., Mulino, (Plants at  
 Mulino, Molalla and Colton)  
 Humphrey Bros., Jasper  
 Hunt, H. W., Banks  
 Hunzicker Lumber Co., Swisshome  
 Indian Creek Sawmill, Prairie  
 Ingram & James, Lebanon, R. 4  
 Ingram's Sawmill, Union  
 Inland Lumber Co., Klamath Falls  
 Inman-Chase Lumber Co., Springfield  
 Inman-Paulsen Lumber Co., Ft of E.  
 Caruthers, Portland  
 International Lumber Co., Elmira  
 Investment Co., Sherwood  
 Irving, O. J., Lowell  
 Island Lumber Co., St. Helens  
 Jackson & Eldsmoe, Yamhill  
 Jackson Lumber Co., Myrtle Creek  
 Jacobs & Hess Lumber Co., Union,  
 (Plant also at North Powder)  
 Jacobsen-Reid Lumber Co., Rainier  
 Jeffs, W. O., Scappoose  
 Jenkins & Wright, Klamath Falls  
 Jewell Lumber Co., Jewell  
 Jewett Mill, Gardiner  
 John Day Development Co., Spray  
 Johnson Bros., Cornelius, R. 2  
 Johnson, C. McC., Reedsport  
 Johnson, F. O., Philomath  
 Johnson-Inman & Brown, Hubbard,  
 Route 1  
 Johnson, M., Blachly  
 Johnson Lumber Co., Coquille  
 Johnston Lumber Co., Applegate  
 Jones Lumber Co., 1280 Macadam,  
 Portland  
 Jonsrud & Gunderson Lumber Co.,  
 Boring, R. 2  
 Josephine Lumber Co., Grants Pass  
 Jungwirth, F. W., Lyons  
 K & C Lumber Co., Dorris, Calif.  
 Kaake & Jubb, Estacada  
 Keith Lumber Co., Junction City  
 Kelly, F. G., Warrenton  
 Kelly, L. D., Stayton  
 Kenworthy, N. A., Friend  
 Kerr & Fallert, Oregon City  
 Kesterson Lumber Co., I. E., Warden  
 Kight & Train, Riverton  
 Kilgore Bros., McMinnville, R. 4  
 Kilian, John, Silvertown  
 Kincaid Sawmill, Long Creek  
 Kings Valley Lumber Co., Kings Val-  
 ley  
 Kirby, D. C., Sheridan  
 Kirk Lumber Co., Chiloquin  
 Kitterman & Son, H. B., Kerby  
 Kitts, W. H., Dairy  
 Klamath Mfg. Co., Klamath Falls  
 Klamath River Lumber Co., Dorris,  
 Calif.  
 Knapp Bros., Aurora  
 Knitzley & Hill, Lowell  
 Knox & Ruttencutter, Kerby  
 Komning Bros., Scappoose  
 Kufner-Graham Lumber Co., Riddle  
 Kuhl Bros. Mill, Prairie  
 Lais, A. J., Molalla  
 Laksonen Mill & Lumber Co., Lake-  
 side  
 Lamm Lumber Co., Modoc Point  
 Lammers Bros., Cottage Grove  
 Landess Bros., Sawmill, Chitwood  
 Langell Lumber Co., Langells Valley  
 Langlois Sawmill, Langlois  
 Larkins & Son, C. N., Hoff  
 Laro Lumber Co., Blodgett  
 Laro Realty Co., Redville  
 Lattin Lumber Co., Creswell  
 Leavenhagen, P. C., Elkton  
 Leber Lumber Co., Veneta  
 Lee, E. M., Sutherlin  
 Leland Lumber Co., Leland  
 Leona Mills Lumber Co., Leona  
 Lewis, W. E., La Grande  
 Lewis & Bolter, Holbrook  
 Lewis & Hecker, Elmira  
 Lewisburg Lumber Co., Corvallis  
 Libel Lumber Co., Yamhill, R. 1  
 Liggett & Austin, Shedd  
 Lindsay Bros., Sawmill, La Grande  
 Loftin, J. F., Lebanon  
 Lost Valley Lumber Co., Dexter  
 Lowman, W. B., Rainier  
 Luckiamute Sawmill, Falls City  
 Lulay & Gisler, Scio  
 Madison, Geo. D., Kellogg  
 Magrum, H., Joseph  
 Malheur Lumber Co., Malheur  
 Maple Grove Lumber Co., Wilsonville  
 Mark, L. J., Trail  
 Marshall, J. D., Hoff  
 Martin Bros., Hoff  
 Martin Lumber Co., W. A., Turner  
 Masten Lumber Co., J. N., La Pine  
 Mathews, L. P., Mist  
 Matson, Ole, Hillsboro, Route 3  
 Mattingly Mill, Antone  
 Mattock, A. M., Dallas  
 Maury Mountain Sawmill, Held  
 McBee Bros., Trent  
 McCann & Frydendall, Manning  
 McCarthy & Hamlet, Barton  
 McClellan, F. Y., West Stayton  
 McClure, O. L., Sweet Home  
 McComas, C. W., Pendleton  
 McDowell Bros., Richland  
 McHugill, Geo., Oakland  
 McKinley-Hampson Lumber Co.,  
 Bend, Box 807  
 McLean, A. A., Buell  
 McMillan Bros., Willamina  
 McMullen, R. J., Barnesdale  
 McPherson Bros., Berlin  
 Meadow Lake Lumber Co., Dayton  
 Meahlhorn Mill, Halfway  
 Mealy Bros., Foster  
 Meek, A. H., Joseph  
 Menefee Lumber Co., L. B., Rainier  
 Merrick Lumber Co., Gaston  
 Milldale Milling Co., Drewsey  
 Miller, C. M., Turner  
 Miller, W. L., Cottage Grove

## WOOD AND WOOD PRODUCTS—Continued

Miller, Willis, Junction City  
 Miller, W. J., Alpine  
 Miller & Henry, Gold Beach  
 Miller-Woodruff Lumber Co., Scap-  
   poose  
 Minam Lumber Co., Minam  
 Minsky Sawmill, Frank, Rose Lodge  
 Mitchell Lumber Co., Banks  
 Modoc Lumber Co., Chiloquin  
 Moehanke Bros., Hoff  
 Mohawk Lumber Co., Mohawk  
 Monarch Lumber Co., North Portland  
 Monner, Wm., Oregon City  
 Moomay, J. C., Hubbard  
 Moore Mill & Lumber Co., Bandon  
 Morgan Sawmill, Wonder  
 Mortin & Daniel, Monroe, Route 1  
 Moser, H. F., Clackamas  
 Mt. Hood Lumber Co., Parkdale  
 Multnomah Lumber & Box Co., Ft of  
   Bancroft, Portland  
 Mulvany's Sawmill, Wamic  
 Murphy-Gardiner Lumber Co., Stay-  
   ton  
 Murphy Sawmill, Stayton  
 Murphy Timber Co., Yeon Bldg., Port-  
   land, (Plants at North Portland  
   and Banks)  
 Murrey, A. R., Enterprise  
 Myrtle Point Mill & Lumber Co.,  
   Myrtle Point  
 Nehalem Lumber Co., Birkenfeld  
 Neilsen & Melnie, Mountindale  
 Nelson, Frank, Newberg, Route 3  
 Nestucca Lumber Co., Cloverdale  
 New Riverside Mill, Paisley  
 Nibley-Minnaugh Lumber Co., Wal-  
   lowa  
 Nicholas & Son, R. F., Mitchell  
 Nielsen, Lewis, Beaverton, Route 3  
 Nine Lumber Co., Klamath Falls  
 North Bend Mill & Lumber Co., North  
   Bend  
 North Plains Lumber Co., North  
   Plains  
 North Portland Box Co., North Port-  
   land  
 Northern Pacific Lumber Co., Ft of  
   Sherlock Ave., Portland  
 Nutter & Millison, 13th & Lovejoy,  
   Portland  
 Nylund & Co., John, Cherry Grove  
 Oak Creek Lumber Co., Corvallis  
 Oak Grove Lumber Co., Hood River  
 Oakridge Lumber Co., Oakridge  
 Oregon Box & Mfg. Co., 1144 Maca-  
   dam, Portland  
 Oregon Export Lumber Co., Marsh-  
   field  
 Oregon Knee Co., Brownsville  
 Oregon Lumber Co., Yeon Bldg., Port-  
   land, (Plants at Baker and Dee)  
 Oregon Ship Timber Mills, Linnton  
   Station, Portland  
 Oregon Tie & Lumber Co., Monroe  
 Orewiller & McCauley, Bend  
 Oshkosh Lumber Co., Mabel  
 Overholser Lumber Co., Cottage Grove  
 P. & D. Lumber Co., Corvallis  
 Pacific Coast Sawmill Co., Kenton  
   Station, Portland  
 Pacific Western Lumber Co., Glen-  
   dale  
 Paisley Lumber Co., Paisley  
 Pallett Lumber Co., Divide  
 Palmer Lumber Co., The Geo., La  
   Grande  
 Paolo Bros. Co., Gaston, Route 2  
 Papefus, R., Trent  
 Park & Son, Estacada  
 Parker Bros., Airle  
 Parker & Hamaker Lumber Co., Dairy  
 Parker & Riddle Sawmill, La Grande  
 Parker & Son, T. T., Airle  
 Parson's Sawmill, Forest Grove  
 Pass Creek Lumber Co., Curtin  
 Pearl, Elmer, Brownsville  
 Pelican Bay Lumber Co., Klamath  
   Falls  
 Peninsula Lumber Co., Ft of McKen-  
   na, Portland  
 Peoria Sawmill, Shedd  
 Perkins & Stanton, Forest Grove  
 Perrone, L. A., Broadbent  
 Peters & Moseby, Cottage Grove  
 Pheneher Lumber Co., P. W., Ft.  
   Klamath  
 Philomath Lumber Co., Philomath  
 Pickett & Sons, J. R., Azalea  
 Piedmont Lumber Co., Falls City  
 Pietrok & Bentz, Scio, Route 2  
 Pioneer Lumber Co., Elk City, (Plant  
   also at Curtin)  
 Pittsburgh Lumber Co., Ruch  
 Pleasant Valley Shingle Co., Hem-  
   lock  
 Pole Sawmill, Prairie  
 Polk County Lumber Co., Ballston  
 Port Orford Mill Co., Port Orford  
 Porter's Sawmill, Prineville  
 Portland Lumber Co., Ft of Lincoln,  
   Portland  
 Powell's Sawmill, Rye Valley  
 Powrie Bros., Drain  
 Prairie Lumber Co., Prairie  
 Prindle Sawmill, Fossil  
 Prosper Mill Co., Prosper  
 Prouty Lumber & Box Co., Seaside,  
   (Plants at Seaside and Timber)  
 Pulliam & Rice, Clatskanie  
 Ray & Mills, Vernonia  
 Reed, H. F., Elgin  
 Reedsport Lumber Co., Reedsport  
 Reid & Fields, Fox  
 Reid's Sawmill, Heppner  
 Reid, T. A., Estacada  
 Renfrou, E. R., Paradise  
 Ridge Lumber Co., Marmot  
 Ritter Sawmill, Ritter  
 Robbins Mill, Reece H., Dallas  
 Robbs, H. A., Dallas  
 Roberts, Guy, Toledo, (Plants at To-  
   ledo and Corvallis)  
 Roberts, N. E., Corvallis  
 Roberts Sawmill, Willowa  
 Robertson & Mason, Columbia City  
 Rock Creek Sawmill, Antona  
 Rockaway Spruce Co., Rockaway  
 Rodlun & Johnson, Boring  
 Rosecrans & Winney, Corvallis  
 Ross, Thomas, Banks  
 Russell Sawmill, Prineville  
 Ryan-Allen Lumber Co., Sheridan  
 Sallee & Inman, Elmira  
 Sandy Lumber Co., Cherryville  
 Scaggs & Son, Blodgett  
 Scappoose Lumber Co., Scappoose  
 Schafer, Fred, Molalla  
 Schellenberg, F. F., Grants Pass  
 Schmidt Lumber Co., Warrenton  
 Schott Bros., & Kingsley, Elmira  
 Schrivner, J. N., Mulino, Route 1  
 Schroder & Aason Lumber Co., Co-  
   quille

## WOOD AND WOOD PRODUCTS—Continued

- Schultz, A. W., Dairy  
 Scio Logging & Lumber Co., Scio  
 Scott, W. R., Halsey, Route 2  
 Scott Bros. Sawmill, Minam  
 Senner, C. J., Yamhill  
 Senz Bros., Scio, Route 1  
 Shannon & Walters, Eugene  
 Shawmada Lumber Co., Yamhill, R. 1  
 Sheppard, F. A., Imnaha  
 Sherman Lumber Co., Gaston  
 Shevlin-Hixon Co., Bend  
 Shot Gun Lumber Co., Mabel  
 Siletz Bay Lumber Co., Siletz  
 Siletz Lumber & Logging Co., Hoskins  
 Siletz Spruce Co., Philomath  
 Siletz Valley Lumber Co., Siletz  
 Silver Falls Timber Co., Silverton  
 Silverton Lumber Co., Silverton  
 Simpson, John, Albany, Route 3  
 Skidmore Mill Co., Hoff  
 Slide Creek Mill, Long Creek  
 Slyter & Eckerson, Molalla  
 Small, W. J., Lyons, Route 1  
 Smith, Jerome, Scappoose  
 Smith Bros., Barney  
 Smith & Co., Wallowa  
 Smith Sawmill, E. B., Salem, R. 2  
 Smith Sawmill, Oscar, North Powder  
 Smith Lumber Co., Umpqua  
 Smith, Harry, Grants Pass  
 Smith & Wilson, Salem  
 Snider & Laughlin, Yamhill  
 Southern Oregon Lumber Co., Medford  
 Southwick, M., Hoff  
 Spaulding Bros., Wonder  
 Sparlin-Biglow & Adkins, Provolt  
 Spath, O. T., Sherwood, Route 3  
 Spaulding Logging Co., Chas. K., Oregonian Bldg., Portland, (Plants at Salem and Newberg)  
 Splers & Sons, E., Goldson  
 Sprague River Lumber Co., Chiloquin  
 St. Helens Lumber Co., St. Helens  
 St. Johns Lumber Co., Ft of W. Burlington, Portland  
 Stafford Lumber Co., Springfield  
 Staiger, Chas., Sublimity  
 Standard Box & Lumber Co., Buxton  
 Standard Lumber Co., Hood River  
 Staniford, Ed., Elam  
 Stanwood Lumber Co., R. L., Brownsville  
 Stefani, A., Molalla  
 Steiger, J. J., Chiloquin  
 Stein & Shire, Zumwalt  
 Stevens & Farris Lumber Co., Walton  
 Stevenson Lumber Co., Koler  
 Stewart, A. G., Grande Ronde  
 Stewart, Claude R., Prineville  
 Stobie Sawmill, Camas Valley  
 Stoddard Lumber Co., Baker  
 Stover Lumber Co., L. H., Union  
 Strawberry Mill, Prairie  
 Stroud & Davis, Beaverton  
 Sugar Pine Lumber Co., Kerby  
 Summit Lumber Co., Blodgett  
 Swan Lake Lumber Co., Klamath Falls  
 Swope, E., Molalla  
 Taylor Sawmill, G. B., Gurdane  
 Teal, C. O., Falls City  
 Teal & Stevens Lumber Co., Falls City  
 Teasel Creek Co., Molalla  
 Temple, O. H., Lebanon  
 Templeman, E. T., Oakridge  
 Ten Mile Lumber Co., Lakeside  
 Terry & Judd, Lakeside  
 Thom & Ritchey, Lakeside  
 Thomas, Amiel, Tualatin  
 Thorpe Bros. Sawmill, Jefferson  
 Tichener Lumber Co., Clatskanie  
 Tiedemann, A. L., Jefferson  
 Tomlin Box Co., Medford  
 Trent Sawmill, Richmond  
 Triple-A Lumber Co., Wilbur  
 Troy Lumber Co., Troy  
 Trulinger, D. L., Mulino  
 Trulinger, I. V., Mulino  
 Tuft Lumber Co., Tiernan  
 Underwood Lumber Co., Lakeview  
 Valley Crest Lumber Co., Parkdale  
 Van Lumber Co., Union, (Plant also at Haines)  
 Vaughn & Bester, Cushman  
 Veal & Son, R., Albany  
 Victory Lumber Co., Beaver Creek  
 Vincent-Taylor, Gaston  
 Wade, Lee, Siletz  
 Wade's Sawmill, Cove  
 Walbel & Sons, Scotts Mills  
 Wamic Lumber Co., Wamic  
 Wanless, A. V., Manning  
 Warner Bros., Fall Creek  
 Warner, C. E., Fall Creek  
 Warner & Rapp, Crawfordsville  
 Warrenton Lumber Co., Warrenton  
 Wasco Pine Box Lumber Co., Friend  
 Wasco Lumber Co., Dufur  
 Washco Lumber Co., Sherwood  
 Waterbury's Mill, Long Creek  
 Waterman, A. F., Bancroft  
 Weatherspoon & Son, W., Halfway  
 Weaver & Cleveland, Scio, R. 4  
 Weaver, D. P., Scio  
 Wedderburn Trading Co., Wedderburn  
 Weddle, A. L., Sweet Home  
 Weeks & Burchfield, McMinnville  
 Weis Bros., Blodgett  
 Weiss & Son Lumber Co., J. M., Hemlock  
 Wellman Bros., Scotts Mills  
 Welter & Son, Wonder  
 Wenstrom Sawmill, Laurel, Route 2  
 West Oregon Lumber Co., Linnton Station, Portland  
 West Side Lumber Co., Lakeview  
 Western Lumber & Export Co., Cottage Grove  
 Westfall Lumber Co., L. G., The Dalles  
 Westfall Sawmill, Westfall  
 Westport Lumber Co., Westport  
 Wheeler Bros., Trent  
 Wheeler Bros. & Durall, Siletz  
 Wheeler, C. H., Timber  
 Wheeler, L. A., Friend  
 Wheeler Lumber Co., Wheeler  
 Wheeler United Lumber Co., Wheeler  
 Whitney Lumber Co., Garibaldi  
 Wiley, R. B., Lebanon  
 Willamette River Lumber Co., Oregon City  
 Willamette Valley Lumber Co., Dalles  
 Williams, C. D., Gaston, Route 1, Box 115  
 Williams Bros., Burns  
 Willson Bros., Springfield  
 Willow Creek Sawmill, Heppner  
 Wilson, Floyd, Blodgett  
 Wilson Lumber Co., G. W., Gaston  
 Winans Sawmill, Dee

## WOOD AND WOOD PRODUCTS—Continued

Winchester Bay Lumber Co., Reedsport  
 Wind Creek Sawmill, Junction City  
 Wind River Lumber Co., Cascade Locks  
 Winlock Sawmill, Winlock  
 Wirfs & Son, F. J., Buell  
 Woodard, A. L., Cottage Grove  
 Wright & Son, Leslie, Enterprise  
 Wyble & Mitchell, Merlin  
 Yellow Fir Lumber Co., Tillamook  
 Yocum & Sons, Estacada  
 Yoder, A. L., Hubbard  
 York Lumber Co., Tillamook  
 Young, Z. F., Dora  
 Zeek, E. O., North Powder  
 Zeek, Orland, Lebanon  
 Zero Lumber Co., Blodgett  
 Zysett, J. A., Jefferson

## SHINGLES

Alsea Shingle Co., Waldport  
 Beaver Falls Shingle & Lumber Co., Mayger  
 Bittner & Boylan, Estacada, Route 2  
 Booth Shingle Co., Coquille  
 Brand & Johnson, Rainier  
 Brasfield, Sam, Siletz  
 Brooks & McMillan, Waldport  
 Busy Bee Shingle Co., Mapleton  
 Butt & Douglas, St Johns Station, Portland  
 Camas Lumber Co., Lakeview  
 Cathcart, W. J., Alsea  
 Cherry Grove Shingle Co., Cherry Grove  
 Coates Lumber Co., A. F., Tillamook  
 Coughle, R. M., Williams  
 Deer Creek Shingle Co., Mist  
 Delta Shingle Co., Florence  
 Everson & Parson, Waldport  
 Fluhrer Bros., Mayger  
 Gold Medal Shingle Co., Kerry  
 Greener Bros. & Pinkerton, Mountain-dale  
 Hancock & Burgess, Westimber  
 Hammond Lumber Co., Mill City  
 Harney Sawmill, Harney  
 Hill, J. W., Twin Rocks  
 Horton Lumber Co., E. J., Horton  
 Kratz Shingle Co., Henry, Clatskanie  
 Krieger, A., Estacada, Route 1  
 Lane Shingle Co., Siltcoos  
 Laube Bros., Rainier  
 Ludemann, C., Tidewater  
 Madison, Geo. D., Kellogg  
 Maples Shingle Co., Helloff  
 Mathewson Mill, Fossil  
 McDaniel & Co., A. G., Crow  
 Menefee Lumber Co., L. B., North Portland, (Plants at North Portland and Milwaukie)  
 Milldale Milling Co., Drewsey  
 Mills & Co., E. J., Birkenfeld  
 Monroe Shingle Mill Co., Cushman  
 Moore, Fred, Marshfield  
 Myrtle Point Shingle Co., Myrtle Point  
 Nehalem Shingle Co., Kerry, (Plants at Kerry and Wheeler)

Norwood & Son, Mayger  
 Ohler & Braun, Vernonia  
 Ohler Bros., Timber  
 Paisley Lumber Co., Paisley  
 Palmquist, E. F., Sandy  
 Parker Sawmill, J. M., Burns  
 Port Orford Mill Co., Port Orford  
 Sales, W. H., Mohler  
 Seaside Shingle Co., Seaside  
 Siletz Bay Lumber Co., Siletz  
 Snider & Sons, W. L., Clatskanie  
 Snodgrass & Son, Mulino  
 South Portland Shingle Co., 1350 Macadam, Portland  
 Standard Shingle Co., Buxton  
 Star Shingle Co., Rainier  
 Stehman, Dean, Rainier  
 Super Shingle Co., Lebanon  
 Thompson & Bullis, Milwaukie  
 Turner, Walter, Birkenfeld  
 Umpqua Mill Co., Reedsport  
 Vincent, Joseph, Rainier, Route 8  
 Watt Shingle Co., Twin Rocks  
 West Beaver Shingle Mill, Hemlock  
 Wheeler Mfg. Co., Wheeler  
 White & Stegeman, Hoff  
 Wind River Lumber Co., Cascade Locks  
 Winlock Sawmill, Winlock  
 Young Shingle Mill, Bandon

## SHIP SPARS

Western Spar Co., North Portland

## SILOS

Alco Wood Products Co., Albany  
 Cameron Oregon Silo Mfg. Co., Albany  
 Champion Mfg. Co., E. 27th & Morgan, Portland  
 National Tank & Pipe Co., 275 Oak Portland  
 North Portland Box Co., North Portland  
 Spaulding Logging Co., Chas. K., Newberg

## VENEER

Coos Veneer & Box Co., Marshfield  
 Doernbecker Mfg. Co., New Era  
 Emerwood Panel & Top Factory, 543 E. 14th, Portland  
 Northwest Veneer Products Co., Linton Station, Portland  
 Perry Veneer Co., Bandon  
 Portland Mfg. Co., St. Johns Station, Portland  
 Western Lumber Mfg. Co., Marshfield  
 Willamette Pacific Lumber Co., North Bend

## WOODENWARE

Champion Mfg. Co., E. 27th & Morgan, Portland  
 North Portland Box Co., North Portland

## WOOD PLUGS

Bittner Plug & Lumber Co., Bull Run

ELECTRICAL CONTRACTORS LICENSED TO DO HOUSE WIRING AND  
INSTALL ELECTRICAL EQUIPMENT IN THE STATE OF OREGON

Allen, Louis D.	674 Johnson St., Portland
Altree, Edward F.	Toledo
Anderson Bros.	La Grande
Apple City Electric Shop	214 Oak St., Hood River
Astoria Electric Co.	618 Commercial St., Astoria
Bailey Electric Co.	731 Willamette St., Eugene
Ballweg & Crandall	409 E. Second St., The Dalles
Bartlett, J. E.	Medford
Basche-Sage Hardware Co.	Baker
Bauman & Co., F. A.	250 Stark St., Portland
Beaver Electric Co.	114 Grand Ave., Portland
Bend Water, Light & Power Co.	Wall and Franklin Sts., Bend
Benham, W. A.	109 Elm St., La Grande
Caldwell, C. E.	Fossil
California-Oregon Power Co.	Medford
Carter, Geo. A.	Warrenton
Chappelle, Peter	Woodburn
Clapp, Harry S.	Grants Pass
Clark, H. F.	Toledo
Clements, L. J.	606 Court St., Dallas
Coast Power Company	104 Second St., Tillamook
Coast Steel & Machinery Co.	48-50 First St., Portland
Cole, Frank	238 N. Second St., Corvallis
Condon Electric Co.	Condon
Condon Milling Co.	Condon
Cook, A. F.	1011 Sprague Ave., Spokane, Wash.
Cook & Foster	116 Fourteenth St., Astoria
Cooper Electric Co.	244 Washington St., Portland
Coos Bay Electric & Auto Supply Co.	1964 Sherman St., North Bend
Cottage Grove Electric Co.	513 Main, Cottage Grove
Curry & Will, Inc.	14 Pacific Ave., Forest Grove
Daniel, V. E.	2048 Washington St., Baker
Davidson & Atwood	390 Morrison St., Portland
Dearlove, C. L.	224 1/2 Third St., Portland
Densmore, E. A.	133 Tenth St., Portland
Deschutes Power Co.	521 First Ave., Spokane, Wash.
Dirickson, Troy E.	506 N. Second, Silverton
Douthitt Electric Co.	913 Wall, Bend
Duffey, C. E.	1707 Adams Ave., La Grande
Eastern Oregon Light & Power Co.	Baker
Edison Electric Store	234 S. Second St., Corvallis
Electric Appliance Co.	Independence
Electric Equipment Co., Inc.	109 Main St., Walla Walla, Wash.
Electric Fixture & Supply Co.	222 N. Liberty St., Salem
Electric House & Auto Supply Co.	449 E. Burnside St., Portland
Electric Light House	107 Lyon St., Portland
Electric Machine & Engineering Co.	337 Court St., Salem
Electric Shop, The	Lebanon
Electric Shop, The	Warrenton
Electric Shop, The	123 S. Sixth St., Klamath Falls
Electric Store, Inc., The	327 W. First St., Albany
Electric Supply Co.	1926 Center St., Baker
English Company, J. C.	148 Fifth Ave., Portland
Enterprise Electric Co.	521 First Ave., Spokane, Wash.
Evans, Geo. C.	Condon
Fairbanks, Morse & Co.	95 First St., Portland
Farm Supply Store	Mt. Angel
Freewater Electric Supply Co.	Freewater
Furneaux, Geo. A.	Dufur
Grand Electric Co.	127 Grand Ave., Portland
Gresham Electric Co.	Gresham
Griffith Electrical Co.	Ontario
H. M. H. Electric Co.	31 N. First St., Portland
H. & S. Electric Co.	105 Depot St., La Grande
Haines Telephone Co.	Haines
Halfway Electric Shop	Halfway
Hammitt, Charles	Freewater
Hanniff, Reginald	St. Helens
Heater, Chas. H.	Milton
Henderer, John Thomas	Springfield
Hermiston Light & Power Co.	Hermiston
Hill & Company, Inc.	Harrisburg

Hillsboro Electric Store	1311 Main St., Hillsboro
Hoflich Electric Shop,	118 W. Second St., Albany
Home Electric Co.	Medford
Hopes Electric Supply House	758 Main St., Lebanon
Hulery Brothers	Moro
Hurlburt	Junction City
Idaho Power Company	Boise, Idaho
Inland Auto Co.	Prineville
Inland Electric Co.	Spokane, Wash.
Ivle, Payne & Atwood	Sheridan
Jaggard-Sroufe Co.	103 W. Park St., Portland
Janin Electric Co.	Portland
Johnson, H. C.	Condon
Jones Co., Frank C.	Gresham
Jordan Electric Co.	201 E. Main St., Ashland
Kaltz, Fred H.	218 Worcester Bldg., Portland
Knight & Co., E. L.	449 Washington St., Portland
Kruse & Brown	220 Tenth St., Astoria
Lakeview Electric Shop	Lakeview
Langworthy, C. A.	329 S. Second, Marshfield
Larsen, Robert W.	234 Worcester Bldg., Portland
Lewis, R. N.	402 Morrison St., Portland
Link River Electric Co.	7th and Klamath Sts., Klamath Falls
Lucas, Vern S.	Troutdale
Marshfield Electric Co.	153 N. Broadway, Marshfield
McCartney Electric Co.	441 Commercial St., Astoria
McDaniel Electric Supply Co.	1026 Main St., Klamath Falls
McDonald, A. H.	Eugene
McGuire Electric Co.	616 Third St., McMinnville
McMinnville Electric Co.	413 Third St., McMinnville
Medley, Robert L.	Coquille
Meserve Co., A. E.	1014 Stark St., Portland
Miles, Archie T.	Newport
Miller, Theodore G.	903 Sixth St., Oregon City
Miller-Parker Co., Inc.	Ninth and Main Sts., Oregon City
Miller's Electric Shop	123 N. Main St., Roseburg
Milne Electric Co.	110 E. Alta St., Pendleton
Milton Auto Electric Co.	Milton
Modern Appliance Co.	3 N. Sixth St., Portland
Moore Electric Co.	406 Oak St., Hood River
Morris, M. H.	Prairie City
Morrison Electric Co.	111 West Park St., Portland
Mountain States Power Co.	236 Lyons St., Albany
Murphy Electric Shop	43 E. Main St., Ashland
Nash Electric Co.	La Grande
National Electric Company	513 Railway Exchange Bldg., Portland
Ne Page-McKenny Co.	388 Burnside St., Portland
North Coast Power Co.	1156 Second St., Hillsboro
Northwest Bridge & Iron Co.	Portland
Northwestern Electric Co.	Ontario
Obrist, C. E.	245½ Morrison St., Portland
Olsaver, L. M.	264 Madison St., Portland
Opperman, E. G.	Coquille
Oswald Bros.	Mt. Angel
Otis Elevator Co.	482 Burnside St., Portland
Pacific Power & Light Co.	Gasco Bldg., Portland
Park Garage	14th and Pentland Sts., The Dalles
Parrish, J. W.	Scio
Paul's Electric Store	Medford
People's Electric Store	212 W. Main St., Medford
Perrin, G. A.	Newport
Philomath Telephone & Telegraph Co.	Philomath
Piedmont Electric Co.	141 Killingsworth Ave., Portland
Pierce Electric Co.	66 Ninth Ave., East, Eugene
Pierce-Tomlinson Electric Co.	286 Oak St., Portland
Polk Co. Electric Supply Co.	510 Main St., Dallas
Poppleton, R. R.	71 Front St., Portland
Portland Elevator Co.	480 E. Mill St., Portland
Portland Railway, Light & Power Co.	Broadway and Alder Sts., Portland
Prey, H. G.	Myrtle Point
Puzey, Lou A.	St. Helens
Randleman	Bandon
Ralston Electric Supply Co.	310 W. Second St., Albany
Reliable Electric Store	519 Union Ave. North, Portland
Ridley, Wm. L.	Seaside

Rierdan Bros.	502 1/2 Columbia St., Portland
Ringle Electric Supplies, G. E.	Rainier
Ross, W. C.	1834 First St., Baker
Rowe, H. J.	Stayton
Rundell, J. E.	Cove
Salem Electric Co.	State and High Sts., Salem
Sanders Electric Works	425 Stark St., Portland
Scott Electric Company	Fifth and Oak Sts., Portland
Sigwart Electric Company	933 Willamette St., Eugene
Skeen Electric Works, Robert	393 Everett, Portland
Slate, Wm. A.	Tangent
Smith Electric Shop	Wasco
Smith-McCoy Electric Co.	571 Washington, Portland
Starkey, E. J.	Heppner
Stearns & Chenoweth	Yoncalla
Stevens, W. L.	992 Brooklyn St., Portland
Striplin, D. E.	College Place, Wash.
Sunset Electric of Tillamook	303 1/2 Second Ave. East, Tillamook
Swift & Company	North Portland
Taylor & Hanel	Fourth and Main Sts., Hillsboro
The Dalles Electric Works	219 E. Second St., The Dalles
The Flxit Co.	162 E. Broadway, Portland
The Main Electric Co.	361 E. Morrison St., Portland
The Shop	214 Main St., Silverton
Uhlig's Electric Store	135 Jackson St., Roseburg
Umpqua Electric Supply House	Reedsport
U'Ren Hardware Co., W. S.	Dayton
Vale Electric Co.	Vale
Vale Trading Co.	Vale
Vanderlip & Lord	271 Fifth St., Portland
Vaughan's Electric Store, J. L.	206 E. Court St., Pendleton
Vaughn, Charles	Heppner
Walker Electric Works, L. A.	413 Burnside St., Portland
Walsh Electric Co., M. J.	106 Fourth St., Portland
Weiser Electric Supply Co.	Weiser, Idaho
Welch Electric Co.	379 State St., Salem
West, J. H.	1418 Court St., Salem
West Coast Engineering Co.	Couch Bldg., Portland
Westersund & Gustafson	213 W. Bond St., Astoria
Whiteaker, Glendon	Monmouth
Willamette Iron & Steel Works	462 N. Front St., Portland
Williams Bros.	Seaside
Wynne, A. L.	802 Main St., Cottage Grove
Yamhill Electric Co.	601 First St., Newberg
Zweifel, Nate	La Grande

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TENTH BIENNIAL REPORT of the  
**BUREAU OF LABOR**  
OF THE STATE OF OREGON



1921-1922



**TENTH BIENNIAL REPORT  
AND  
INDUSTRIAL DIRECTORY  
OF THE  
Bureau of Labor Statistics and  
Inspector of Factories  
and Workshops**

**OF THE  
STATE OF OREGON  
From October 1, 1920, to September 30, 1922  
TO  
HIS EXCELLENCY THE GOVERNOR  
AND THE  
THIRTY-SECOND LEGISLATIVE ASSEMBLY,  
REGULAR SESSION, 1923  
C. H. GRAM, Commissioner**

**SALEM, OREGON :  
STATE PRINTING DEPARTMENT  
1922**

## LETTER OF TRANSMITTAL

*To His Excellency, Ben W. Olcott, Governor of the State of Oregon, and the Honorable Legislative Assembly of the State of Oregon:*

Pursuant to the requirements of the statute of 1903, creating the Bureau of Labor Statistics and Inspector of Factories and Workshops, I have the honor of submitting to you the Tenth Biennial Report of the Bureau of Labor of the State of Oregon, covering the period from October 1, 1920, to September 30, 1922.

Respectfully submitted,

C. H. GRAM,  
*Commissioner.*

## FOREWORD

In the year 1905 the first official report on industrial statistics for the State of Oregon, covering the years 1903 and 1904, was issued by the Commissioner of Labor Statistics and Inspector of Factories and Workshops. This report, covering the biennium from October 1, 1920, to September 30, 1922, therefore, becomes the Tenth Biennial Report of the Bureau of Labor. The records of the bureau show a complete set of these reports, and they portray the development of industry in Oregon.

The Commissioner of Labor Statistics and Inspector of Factories and Workshops was charged, by an act of the Legislative Assembly of 1903, with the duty of gathering industrial and labor statistics; and in recent years public appreciation of the value of such data has been most pronounced, especially since we have included in our report an industrial directory. The demand for the volume issued two years ago was so great that all of the copies were promptly distributed, requests for the book coming from all parts of the United States and Canada.

Our biennial reports have found favor not only among students, investigators, officials of other states and the United States, but have proved valuable reference documents from year to year. The industrial directory included in the last report has proved of great value also, and the same will appear in further detail in the volume herewith presented.

Careful attention has been given to classification of industry in such a way as to keep faith with the manufacturers of the state whose reports to the bureau are confidential. So promptly have the business interests of the state responded to the request for information from this bureau during the last year that we feel under great obligation to them for the fine spirit of cooperation displayed.

## EXTRACT OF ACT CREATING BUREAU OF LABOR STATISTICS AND INSPECTOR OF FACTORIES AND WORKSHOPS

(Approved February 24, 1903)

"It shall also be the duty of the officers to collect, assort, arrange, and present, in biennial reports to the legislature, on or before the first Monday in January, statistical details relating to all the departments of labor in the state; to the subject of corporations, strikes, or other labor difficulties; to trade-unions and other labor organizations, and their effect upon labor or capital; the number and condition of the Japanese and Chinese in the state, their social and sanitary habits; number of married, and of single; the number employed, and the nature of their employment; the average wages per day at each employment, and the gross amount yearly; the amount expended by them in rent, food, and clothing, and in what proportion such amounts are expended for foreign and home productions, respectively; to what extent their employment comes in competition with the white industrial classes of the state; and to such other matters relating to the commercial, industrial, social, educational, moral and sanitary conditions of the laboring classes, and the permanent prosperity of the respective industries of the state as the bureau may be able to gather."

## FACTORY INSPECTION

Factory inspection, one of our most important duties, consists of the inspection of machinery in the manufacturing plants throughout the state, and the recommendation for safety appliances on all dangerous parts of the machinery to make the plants safe for the worker.

Safety is an art rather than a science, as it involves a large human element in addition to its economic and technical phases. What the employer can do and pay for in the line of safeguarding is one element, and the habits, necessities and welfare of the employes form another element in the safety game. In issuing orders to the operators to provide safety appliances for machinery, these different phases are taken into consideration, and we are pleased to state that we invariably receive the fullest cooperation from both employers and employes. To be successful in accident prevention it is necessary to reach the individual workman and get him interested in his own and his fellow-workers' welfare. We are doing this wherever possible, attempting to show individual workmen or groups of workmen how serious accidents occur and how they can be prevented. To further assist in this work, the Oregon and Columbia River division of the National Safety Council, the State Industrial Accident Commission and the Bureau of Labor are publishing jointly the "Oregon Safety News." It is a publication devoted to safety work in the various industrial operations of the state and is mailed to operators and workmen engaged in hazardous employment.

The work of factory inspection is done by the same four inspectors who examine boilers.

## BOILER INSPECTION

When the A. S. M. E.\* Boiler Code was adopted as a standard for the construction, installation and operation of steam boilers in this state, a technical examination of every boiler in the state became necessary. This confronted us with two problems: First, were the deputies then in the field, acting as safety inspectors from this bureau, competent to make a technical inspection of a steam boiler? Second, were we justified in making an inspection of a boiler on which insurance was being carried and which was inspected regularly by inspectors from an insurance company?

The first question we decided by creating a voluntary board of mechanical engineers to examine and determine the qualification of inspectors. This board consists of the following members:

G. A. Covell, dean of engineering, Oregon Agricultural College, Corvallis;

E. F. Stuart, representing the Casey-Hedges Mfg. Co., Portland;

George F. McDougall, mechanical and consulting engineer, Chamber of Commerce, Portland;

C. B. Paddock, chief boiler inspector, Hartford Insurance Company, Portland;

C. D. Thomas, chief boiler inspector with this bureau.

The first four members have devoted considerable time to holding examinations of applicants for certificates of competency as boiler inspectors, and we are greatly indebted to them for their assistance.

The second problem was solved by calling together representatives of

\* American Society of Mechanical Engineers.

all insurance companies doing boiler insurance business in this state, and they agreed to require all boiler inspectors in their employ, not holding certificates of competency as boiler inspectors from other states, who were working under the A. S. M. E. code, to take the examination before the above-mentioned board, in order to determine their competency. This has been carried out and all inspectors employed by this bureau and insurance companies in this state are required to take the examination before the above board. Under this arrangement, we avoid duplication of inspection by accepting reports from the insurance companies made by their authorized inspectors on all boilers insured and regularly inspected by them.

Our chief boiler inspector is always at the service of the operators, and blue prints for proper boiler settings are furnished by this bureau free of charge upon request.

A total of 4,056 boilers have been inspected during the biennium, classified as follows:

Number of boilers inspected by insurance companies .....	2,471
Number of boilers inspected by Bureau of Labor .....	1,585

The following is a summary of work done by inspectors for the Bureau of Labor and the insurance companies from October 1, 1920, to September 30, 1922:

	<i>Total number</i>	<i>Number internal</i>
Number of inspections made by insurance companies .....	5,616	2,942
Number of inspections made by Bureau of Labor .....	2,062	1,251
Total number of boilers found not serviceable, 64.		

### DEFECTS

	Bureau of Labor		Insurance Companies	
	Total number	Number dangerous	Total number	Number dangerous
Cases of sediment and scale .....	462	81	640	92
Cases of grooving .....			78	12
Cases of internal corrosion .....	244	53	500	55
Cases of external corrosion .....	42	6	197	11
Cases of defective bracing .....	20	15	36	14
Cases of defective staybolts .....	51	24	130	30
Setting defective .....	9	2	99	6
Fractured plates and heads .....	12	4	21	6
Burned plates .....	63	28	40	8
Laminated plates .....			8	2
Cases of defective riveting .....	9	2	19	3
Cases of leakage around tubes .....	55	7	284	15
Cases of defective tubes or flues .....	8	3	104	10
Cases of leakage at seams .....	72	10	107	7
Water gauges defective .....	271	119	40	25
Blow-offs defective .....	71	30	56	17
Cases of low water .....	2	2	4	4
Safety valves overloaded .....	112	57	43	22
Safety valves defective .....	49	38	61	24
Pressure gauges defective .....	29	29	81	40
Boilers without pressure gauges .....			6	6
Miscellaneous defects .....			189	15
Total .....	1,581	510	2,743	424

NOTE—Actual inspections did not begin until July 1, 1921.

## ELECTRICAL EQUIPMENT AND WIRING INSTALLATION

(Provided for under chapter 18, General Laws of Oregon)

Under this law 272 licenses were issued to electrical contractors during the year 1921 by this department, and 229 licenses during the year 1922.

There were 947 electrical inspections made in factories during this biennium, as well as 253 inspections of electrical installations and equipment in garages, schoolhouses, dwellings and other buildings. On these inspections 127 changes were recommended in order to eliminate fire and personal injury hazards, and in 23 instances, where very poor wiring was found, recommendation was made that the buildings be completely rewired.

During the two years we found thirty persons who were wiring without license. Seventeen of this number took advantage of the opportunity which was given them to apply at once for license. Of the remaining thirteen, one was found guilty and fined \$150, but fine was suspended on condition that he take out license and comply with the law in future, and twelve pleaded guilty and were fined as follows: Five at \$25 each, three at \$15 each, three at \$10 each and one at \$7.50. In each of these cases court cost was assessed also.

## INCREASE OF MANUFACTURING PLANTS

On October 1, 1920, we had 3,053 manufacturing concerns listed and on September 30, 1922, we had 3,725 concerns, which makes a net increase of 672. Besides this increase, during the last biennium there were thirty-four plants burned and 569 operations discontinued business.

In these plants 6,187 inspections were made, and recommendations to provide safeguards to machinery numbered 11,057.

One hundred fifty-five additional plants were inspected which were not under the factory inspection law. They either employed no one or used less than two horsepower.

Our inspection force consists of one chief boiler inspector, four safety and boiler inspectors, and one electrical engineer.

The activities of the Bureau of Labor can be summed up as follows:

Inspections of safeguards .....	6,187
Boiler inspections .....	2,067
Electrical inspections .....	1,200
Total.....	9,454

## INSPECTION OF PUBLIC SCHOOL BUILDINGS

Five public school buildings and one high school gymnasium were inspected by the bureau during the last biennium. While there is no law providing for this class of inspections, the same were made at the request of Honorable J. A. Churchill, Superintendent of Public Instruction. Patrons of the school districts, becoming alarmed over conditions of their school buildings, appealed to Superintendent Churchill, and he in turn requested us to make the necessary inspections. Where a possible hazard existed, we felt a moral responsibility to lend our assistance, and after making the inspections we recommended to the school boards of two

districts that all meetings in their respective school buildings be discontinued, as we did not consider them safe. In the other three school buildings, and in the high school gymnasium, we recommended extensive repairs.

In each instance we discovered considerable feeling amongst the patrons of the school district, one faction believing the school building unsafe and demanding a new building, and the other faction contending the building was safe. Our appearance, however, was the means of bringing both factions together, and the school board accepted and followed our recommendation.

## INDUSTRIAL LIGHTING

Provided for under chapter 12, Oregon Laws

In the past many factory owners have failed to realize the importance of proper lighting, and in many lighting installations no apparent heed has been given to the needs of the particular industries in which the installations have been made. The improper or poor lighting which resulted has proved to be the cause of many eye diseases.

Since the adoption of the lighting code, some progress has been made in remedying conditions. Electrical engineers employed by the bureau have made seventy-one illuminating tests in various manufacturing plants. Their findings disclosed a number of establishments using more lights than would be necessary if same were properly directed and distributed, and other plants using insufficient light for the employes to turn out the maximum amount of product.

## CONCILIATION AND ARBITRATION

Chapter 178, Laws of Oregon for 1919, created the first State Board of Conciliation and Arbitration in the country. Its success is deserving the highest commendation and its methods and activities suggest what is at once the most promising of any yet devised for the settlement of industrial disputes.

The liberties established by the constitution, and the price paid for them in the blood of martyrs, will ever be a barrier to any effective compulsory arbitration, and any settlement that is not agreeable to all parties to the controversy—if not as a finality, at least as an amicable compromise until a better adjustment can be devised—is but a growing basis of future trouble. On the other hand, any settlement of a dispute that is brought about through a manly spirit of kindness and compromise based on what is seen to be an honest desire to be fair, is a step toward that broader cooperation and fellowship which alone is the solution of all industrial disagreements.

The second biennial report of the Oregon State Board of Conciliation is herewith presented:

It is deemed wholly proper in this report to cover the activities of this board since its formation following enactment of the legislative measure under which it now functions. The law in question, termed "An act creating a 'State Board of Conciliation' for the settlement of industrial disputes between laborers and their employers, and providing for boards of arbitration, and defining the powers and duties of the State Board of Conciliation, and boards of arbitration," became effective in 1919 with the following personnel: Otto R. Hartwig, secretary, and John K. Flynn, appointed by the Governor; William F. Woodward, chairman, elected by the Governor's appointees. They have served since their appointment and are now serving in the capacities named.

The board functions as indicated by the title, purely along conciliatory lines. Whenever and wherever possible, arbitration enters into the hearing in each individual case, this whenever the parties concerned so agree.

The following cases have come before the board for adjustment during the term of office of the present members:

July 2, 1919—Conciliation: Pacific Telephone & Telegraph Co. vs. International Brotherhood Electrical Workers and Telephone Operators' Union.

July 23, 1919—Arbitration: Grain Handlers vs. Grain Dock Operators of Portland, Tacoma and Seattle.

July 28 and 30, August 4 and 5, 1919—Conciliation: Local Union 701, Hoisting, Portable & Shipyard Engineers vs. Independent Paving Co., Hassam Paving Co., Warren Construction Co. and Oskar Huber.

August 14, 1919—Arbitration: Brooks-Scanlon Lumber Co. & Shevlin-Hixon Lumber Co. vs. Employees.

September 9, 1919—Conciliation: Port of Astoria vs. Employees.

May 10, 1920—Conciliation: Silver Falls Timber Co. vs. Employees.

May 26, 1920—Conciliation: Milton Creek Logging Co. (Briggs, Noyes & Holland Co.) vs. Employees.

June 10, 1920—Arbitration: Master Barbers Association of Portland vs. Journeymen Barbers Union Local No. 75.

July, 1920—Conciliation: C. K. Spaulding Logging Co. vs. Employees.

No cases second year.

February, March, 1922—Conciliation: Mill Operators at Klamath Falls, Oregon. vs. Employees.

April, 1922—Conciliation: Longshoremen's Union of Portland vs. Waterfront Employers Association, Ship Owners and U. S. Shipping Board.

It seems proper at this time to call attention to the existence of so-called compulsory arbitration laws in other states—notably Kansas. The title of such a law is obviously misleading. Arbitration can not be termed such if it is compulsory in its verdict, if the parties do not enter the hearing as voluntary agents. Effort has been made, and no doubt will further be made, to commit this state through its legislative body to the form and substance of such a law.

It is the opinion of this board, based upon its experience, that the addition of a compulsory feature would not be essentially helpful. The weight of public opinion attendant upon a full, free and open discussion of the issues involved in each case under consideration will ever be in the judgment of this board a factor potent and effective. The elementary principles of humanity and justice can better be reached by these methods.

The board is granted ample powers in securing the attendance of witnesses and the production of evidence, and if it performs this duty fearlessly and brings into the clear light of day and to public notice all the acts of either side of the controversy in question having the slightest connection with the issues involved, the verdict of the public will inevitably be on the side of justice and right. There may be delays and apparent perversions but the ultimate result is certain.

This may well be instanced by the fact that in every case heard thus far where arbitration was voluntarily accepted by the parties concerned there has been in no case renewed conflict. Even those cases where conciliation measures alone were possible by virtue of the refusal, on the part of the employers, to accept arbitration, action of the board has been helpful and tended toward industrial peace.

It may well be said that the very fact that employer and employe sit together with a neutral body and informally discuss their differences and difficulties has ever a sobering effect in an understanding mind hitherto biased or warped.

Paucity of cases submitted may leave the impression that the need for the present law and the body created to carry out its intent is slight in our own commonwealth. On the contrary the very existence of this law and sincere effort which those entrusted with its execution have put forth toward the specific and final adjustment of industrial difficulties as presented them, tends in an ever increasing degree to lessen the number of those who seek its service. Parties to these controversies consider well the probable results of a hearing and are disposed to anticipate the result without resort to board action. Periods of unemployment, depression in the various industries, the necessary readjustment of wages, will ever play their part in contributing to the number of these appeals.

It may be asserted that the question of hours will rarely be presented. The basic working day of eight hours in our state is too firmly established for reversal or recession. Even adverse conditions in neighboring states, as alleged by the mill operators in the Klamath Falls case, have indicated a tendency toward a reform without the state rather than a breaking down of the eight hour principle within.

One of the largest lumber concerns in the United States, after announcing through its principals belief in nine or even ten hours, later, on the first of August, voluntarily adopted eight hours as its basic working day.

The board notes an ever increasing desire on the part of employers to concede in the matter of compensation all that is implied by a "living wage," not merely that stipend which will provide food, clothing and a roof, but rather and further that which will make for true prosperity and self-respecting American citizenship, visioning the day when employer and employe shall associate with a common and a high purpose, where co-operation, mutual respect and understanding hearts shall be potent factors toward the material prosperity and well being of our commonwealth.

STATE BOARD OF CONCILIATION,  
William F. Woodward, Chairman.

## BRANCH OFFICE IN PORTLAND

(Report of activities of the office in Portland, in charge of Deputy Labor Commissioner W. H. Fitzgerald.)

The demands for service upon the branch office of the Bureau of Labor, located in room 501, Courthouse, Portland, continually grow. It largely serves the working class of people—those who have been employed on a job and at its termination find difficulty over the pay check or become involved in dispute over the amount of wages due, and those who, having paid a fee at an employment agency for a job, meet disappointment when reporting to the prospective employer. It is a place to bring a miscellaneous lot of complaints. The Commissioner of Labor is charged by statute with the enforcement of labor laws, and for lack of force to survey the field and detect violations he must, to a great extent, rely upon reports brought to his office.

On the compilation of this report covering a period of two years the records show that service in some manner was rendered to 2,312 persons. When we speak of records it means that in our files we have a memorandum indicating something accomplished for an applicant or copies of correspondence written in an effort to serve.

By far the largest number of people coming to this office and not included in the above figures are those seeking information to find a way out of some personal difficulty. A large number of working people lean on the Commissioner of Labor when anything goes wrong, and when consulted we aid them whenever possible. It is a service well worth rendering. There is need of a legal aid bureau in this city and state. Our department comes nearest to supplying that need. Not that we are equipped to act in that capacity, but because they have no better place to go, we are continually called upon by people in need of such assistance and invariably it is a class without funds to employ trained help. A classification may be made as follows:

	Number	Amount
Wages adjusted, male .....	343	\$15,979.96
Wages adjusted, female .....	61	1,245.95
Total.....	404	\$17,225.91
Efforts to adjust wages, no results .....	468	\$.....
Refund of fees, etc., from employment agencies, male.....	238	1,336.06
Refund of fees, etc., from employment agencies, female.....	11	76.51
Total.....	717	\$ 1,412.57
Application for refund of employment fees—no case.....	196	\$.....
Miscellaneous complaints .....	274	.....
Miscellaneous service .....	721	.....
Grand total.....	2,312	\$18,638.48

## WAGE ADJUSTMENTS

The Commissioner of Labor is not vested with any statutory authority in the matter of wage adjustments. It is difficult to make many persons realize the fact that what we accomplish is through mediation, conciliation and the good offices of the department. An effective means resulting in the adjustment of many and the most important claims is that of getting all parties concerned to meet in our office. It is then that the real cause of misunderstanding can be disclosed and in most cases agreement reached. It will be noted that 468 claims for wages were filed with us that failed of settlement. In some instances the claims were not provable, but the majority represented wages due from employers prone to defraud. This condition should not be tolerated, and a remedy should be provided so that such a class of employers could be prosecuted for fraud.

## EMPLOYMENT AGENTS' CLAIMS

In Oregon there are 23 fee-charging employment agencies, 18 of which are located in Portland, one each in Astoria, Baker and Pendleton and two in Klamath Falls.

By statute, any person charging a fee for furnishing information or securing employment for another must first procure a license from the Commissioner of Labor and be subject to regulation as provided by law.

It is no small task to meet all persons with grievances arising out of employment transactions. In times of industrial activity thousands of men are sent out each month. The employment agent with the best of intentions will at times recruit men for work that fails to turn out as represented, but such class of employment agents will readily repair the damage when it appears that a liability has been incurred. It is the employment agent who attempts to evade his liability and never does anything until forced, who brings odium on the employment business.

## REVOCATION OF LICENSE

When employment agents refuse to adopt the recommendations of this office over claims for refund, the matter is referred to the Commissioner of Labor for investigation. Since the last report the Commissioner of Labor has found it necessary for cause to revoke the license of two employment agents. One, however, gave a bond and took an appeal to the circuit court, where the case is now pending.

## PROSECUTION FOR OPERATION WITHOUT LICENSE

A concern secured a contract to supply Mexican labor to a railroad company in this state. Their chief source of revenue was a monopoly in furnishing groceries at an exorbitant price to the workers so supplied, and in avoidance of requiring an employment agent's license they adopted a subterfuge of pretending to make a "lunch charge." The Mexicans reported in Portland for distribution to various points in the state, and before going they were given a couple of sandwiches or doughnuts to take along on the train, for which they were charged \$3. It developed that they sometimes overlooked giving the doughnuts to the Mexicans, but never missed charging their account with the \$3. We prosecuted one of the owners and his manager, secured conviction, and a fine of \$100 was imposed on each.

## PLACEMENTS

At the end of each week all employment agents file with this department a report of placements, wages paid, fees charged, etc. Taken in the aggregate, these reports furnish fairly accurate information as to the activity of industries and the incline or decline of wages. The following is the total placements of fee-charging employment offices in Oregon for the biennium from October 1, 1920, to September 30, 1922:

1920		1921	
October .....	11,270	October .....	8,438
November .....	4,316	November .....	4,467
December .....	1,701	December .....	2,270
1921		1922	
January .....	1,817	January .....	2,517
February .....	2,368	February .....	3,326
March .....	3,067	March .....	4,121
April .....	5,302	April .....	7,268
May .....	4,059	May .....	8,222
June .....	3,631	June .....	7,815
July .....	5,913	July .....	12,579
August .....	5,846	August .....	10,056
September .....	6,793	September .....	13,980

## AVERAGE WAGES

By way of comparison, the reports of employment agents for January and July of 1922 show a slight upward trend in wages for employes in the logging industry. The following tables, with the exception of laborers, are from placements exclusively in logging camps:

	Average wage paid	
	Jan., 1922	July, 1922
Choker setter .....	\$4.27	\$4.66
Head faller .....	4.84	5.00
Second faller .....	4.47	4.70
Bucker .....	4.37	4.60
Laborer .....	3.48	3.60
	Per month and board	Per month and board
	Jan., 1922	July, 1922
Cooks .....	\$128.85	\$130.00
Dishwashers .....	53.88	55.00
Bull cooks .....	55.20	56.00

## FEDERAL DIRECTOR

By means of a cooperative arrangement existing with the United States Employment Service and the Commissioner of Labor, to the writer have fallen the duties of Federal Director of the United States Employment Service for Oregon.

The United States Employment Service actively cooperates with the Free Employment Bureau of Portland and similar ones in Eugene and Marshfield. To the two latter cities the federal service extends the mailing frank and furnishes supplies to their offices. Federal cooperation with Portland goes further by furnishing a part of the clerical help as well as the franking privilege and supplies.

The free public employment bureau as an institution is here to stay. It serves a human purpose by directing the jobless to employment, relieves distress, and serves employer and employe. It is the best means of conserving the social and economic waste caused by the workers searching for a job from shop to shop. Twenty-five of the state legislatures have adopted some medium of free employment service.

The great benefit derived from a well-organized employment service was fully demonstrated when in cooperation with the American Legion the returned soldier and sailor were given care, and again during the unemployment crisis of last winter the Portland Free Employment Bureau, cooperating with the United States Employment Service, examined thousands of men to determine the needy and deserving so as to allocate them to the opportunities offered by public improvement projects, municipal woodyard and private employers.

## PUBLIC EMPLOYMENT BUREAU PLACEMENTS

Months	Portland		Eugene	Marshfield	Total
	Men	Women			
1920—					
October .....	3,081	177	512	291	4,061
November .....	1,050	152	441	230	1,873
December .....	698	130	212	137	1,087
1921—					
January .....	594	118	157	84	953
February .....	2,217	113	206	108	2,638
March .....	1,718	186	203	151	2,258
April .....	1,484	159	210	299	2,152
May .....	1,551	149	178	216	2,094
June .....	1,969	272	119	187	2,547
July .....	1,612	211	55	241	2,119
August .....	2,599	189	272	239	3,299
September .....	2,328	199	293	244	3,064
October .....	1,923	176	306	349	2,754
November .....	1,891	139	163	192	2,385
December .....	2,722	182	164	247	3,315
1922—					
January .....	12,023	181	141	377	12,722
February .....	12,508	185	180	288	13,161
March .....	3,954	206	188	383	4,731
April .....	2,206	180	350	306	3,042
May .....	2,802	261	357	289	3,649
June .....	2,922	426	575	345	4,268
July .....	2,528	295	519	327	3,669
August .....	2,930	339	447	294	4,010
September .....	3,157	312	522	339	4,330
Total .....	72,371	4,877	6,770	6,163	90,181

## PROSECUTIONS

Of the 274 miscellaneous complaints filed with the Portland branch office, it naturally developed that many were unfounded. The larger number were found justified but the ground of complaint was invariably removed without invoking the law. In three instances it became necessary to prosecute restaurant keepers for violation of the law which provides for a maximum 48-hour week for waitresses. With each complaint filed, conviction was obtained and a fine imposed. A class of restaurant keepers, many of them not citizens, are inclined to employ women seven days a week, resulting in frequent reports that the maximum of 48 hours is exceeded. A movement has been started among the women employed in restaurant work to amend the law to provide for a six-day week. The object sought conforms to the aims to which legislation for women in industry is directed and is deserving of consideration.

## MISCELLANEOUS COMPLAINTS

A total of 145 anonymous and miscellaneous complaints have been received at the Salem office of the bureau. These complaints covered a number of abuses, such as:

1. Violation of the eight-hour law on public works.
2. Defective machinery.
3. Poor sanitation.
4. Overwork.
5. Compelled to board at company boarding house.
6. Blacklisting.
7. Compelling employes to buy stock in order to hold their jobs.

Wherever possible a personal investigation of these complaints is made, either by the commissioner or one of his deputies. In cases where the distance is too great for traveling, an attempt is made to adjust the grievance by mail.

In cases where our efforts at adjustment by correspondence are not successful, the work is continued by our inspectors on their next visit to the locality from which the complaint comes.

In the opinion of this bureau a worker who files a complaint of this character usually acts from sincere motives and on the honest belief that his contention is right.

When, after hearing his story, we find that in our opinion his complaint is not well founded, we are able in most cases to convince him of the fact and send him away satisfied.

We give careful attention to all such cases, however, from the fact that, because of the general sincerity of the complainant, to be ignored by those to whom he feels it is his right to appeal and be heard, causes him to conclude that there is no justice in this country, and such sentiment is often expressed.

The cases enumerated above are but a small per cent of the total of such claims coming to this bureau, the vast majority being filed with the Portland office, reported under the activities of that branch and covered elsewhere in this report.

## ADJUSTMENT OF WAGE CLAIMS

One of the very important functions of the Bureau of Labor is to assist workers to collect wages they have earned in cases where the employer is either not able or not willing to pay. During the last biennium 485 of such cases came to the main office at Salem. The bureau was successful in collecting 251 of these cases amounting to \$6,419.44. Fifty-two of these were in behalf of women who were compelled to perform manual labor to support themselves and their families. The amount due them was \$2,049.61. The other 199 were men and in these cases the amount collected was \$4,368.83.

In 234 cases, however, this bureau was unable to be of any service to the claimant. In some of these cases the attitude of the employer was wrong. Admitting the amount claimed was justly due, he stated he was unable to pay and would make no definite promise to do so. In a great many other cases employers ignored our letters requesting adjustment. In still other cases the worker was wrong in claiming amounts not justly due.

While in the majority of these cases the amount involved is small, it usually represents all the claimant has, and the principle involved on the part of the employer in refusing to pay is just as reprehensible as though the claim amounted to thousands of dollars.

Since this bureau has no authority to force collections, its success in these cases lies in reason and persuasion only.

## WORKING PERMITS ISSUED TO CHILDREN

By appointment from the secretary of the Board of Inspectors of Child Labor to represent them in the city of Salem, this office has issued 492 permits, as follows:

## YEAR 1921

	Girls	Boys	Total
Vacation permits issued to minors between 14 and 16.....	120	28	148
Vacation permits issued to minors between 16 and 18.....	56	25	81
Permits issued during school period to minors between 14 and 16 .....	2	1	3
Permits issued during school period to minors between 16 and 18 .....	7	4	11
Subtotal .....	185	58	243

## YEAR 1922

	Girls	Boys	Total
Vacation permits issued to minors between 14 and 16.....	204	57	261
Vacation permits issued to minors between 16 and 18.....	111	48	159
Permits issued during school period to minors between 14 and 16 .....	13	6	19
Permits issued during school period to minors between 16 and 18 .....	19	34	53
Subtotal .....	347	145	492
Grand total .....	532	203	735
Requests for permits by minors under age of 14:			
During year 1921 (not granted) .....	12	9	21
During year 1922 (not granted) .....	20	9	29
Total .....	32	18	50

In addition, 121 requests received by mail for working permits outside of Salem were referred by this office to the secretary of the board in Portland for their attention.

## RECEIPTS AND EXPENSES

## FACTORY INSPECTION FUND

October 1, 1920, to September 30, 1922	
Balance on hand, October 1, 1920	
Collections, October 1, 1920, to September 30, 1921	\$10,853.68
Collections, October 1, 1921, to September 30, 1922	20,436.72
	16,928.65
Total receipts	\$48,219.05

## EXPENSES

October 1, 1920, to September 30, 1921	
Inspectors' salaries (5 males)	\$ 7,430.00
Inspectors' traveling expenses (5 males)	7,733.96
Clerk hire	2,751.56
Printing	871.41
Postage	300.00
Telephone and telegraph	313.98
Express	7.90
Furniture and office supplies	687.36
Typewriter and supplies	136.50

Contribution to the accident fund	57.24
Refund for overcharge on inspection fees	8.00
Subtotal	\$20,297.91

October 1, 1921, to September 30, 1922	
Inspectors' salaries (5 males)	\$ 7,265.83
Inspectors' traveling expenses (5 males)	7,640.63
Clerk hire	2,726.00
Printing	513.53
Postage	410.00
Telephone and telegraph	342.81
Furniture and office supplies	528.45
Typewriter and supplies	91.13
Contribution to the accident fund	207.33

Subtotal \$19,725.71

Grand total \$40,023.62

## ELECTRICAL FUND

October 1, 1920, to September 30, 1922	
Balance on hand, October 1, 1920	\$ 690.86
Total receipts, October 1, 1920, to September 30, 1921	4,170.00
Total receipts, October 1, 1921, to September 30, 1922	4,185.00
Total receipts	\$ 9,045.86

## EXPENSES

October 1, 1920, to September 30, 1921	
Inspector's salary (1 male)	\$ 600.00
Inspector's traveling expenses (1 male)	540.56
Clerk hire	871.59

Printing	278.23
Postage	25.00
Office supplies	66.75
Subtotal	\$ 2,382.13

October 1, 1920, to September 30, 1922	
Inspector's salary (1 male)	\$ 1,330.00
Inspector's traveling expenses (1 male)	1,481.30
Clerk hire	952.26
Printing	95.92
Postage	300.00
Office supplies	24.00

Subtotal \$ 4,183.48

Grand total \$ 6,565.61

## GENERAL FUND

October 1, 1920, to September 30, 1922

## EXPENSES

October 1, 1920, to September 30, 1921

Commissioner's salary .....	\$ 3,000.00
Commissioner's traveling ex-	
penses .....	801.39
Clerk hire .....	287.50
Printing .....	1,140.08
Postage* .....	100.00
Office supplies .....	170.35
Express .....	6.04

Subtotal .....\$ 5,505.36

October 1, 1921, to September 30, 1922

Commissioner's salary .....	\$ 3,000.00
Commissioner's traveling ex-	
penses .....	972.55
Clerk hire .....	125.64
Printing .....	297.29
Postage** .....	100.00
Office supplies .....	16.80
Express .....	3.55
Special investigator for	
"women in industry" .....	274.39

\*Note—A portion of this amount covers \$76.00 worth of stamps for the Portland branch office.

\*\*Note—A portion of this amount covers \$40.00 worth of stamps for the Portland branch office.

Gathering information for

"Industrial Japanese and Chinese statistics" .....

437.18

Subtotal .....\$ 5,227.40

## BRANCH OFFICE, PORTLAND

October 1, 1920, to September 30, 1921

Deputy commissioner's sal-	
ary .....	\$ 2,260.00
Deputy commissioner's travel-	
ing expenses .....	63.46

Subtotal .....\$ 2,323.46

October 1, 1921, to September 30, 1922

Deputy commissioner's sal-	
ary .....	\$ 2,400.00
Deputy commissioner's travel-	
penses .....	86.81

Subtotal .....\$ 2,486.81

Grand total .....\$ 15,543.03

## RECAPITULATION

## FACTORY INSPECTION FUND

Total receipts .....		\$48,219.05
Expenditures .....	\$40,023.62	
Transferred to general fund January 1, 1921 .....	5,049.02	
Transferred to general fund January 1, 1922 .....	36.30	

Total .....\$45,108.94 45,108.94

Balance on hand September 30, 1922 .....\$ 3,110.11

## ELECTRICAL FUND

Total receipts .....	\$ 9,045.86
Expenditures .....	6,565.61

Balance on hand September 30, 1922 .....\$ 2,480.25

## GENERAL FUND

Appropriation .....		\$15,500.00
Expenditures .....	\$15,543.03	
Paid from old appropriation for biennium, 1919-20 .....	2,474.14	

Total .....\$13,068.89 13,068.89

Balance on hand September 30, 1922 .....\$ 2,431.11

## GENERAL STATISTICS

The greater part of our statistical data for this report consists of tables covering manufacturing plants. In gathering this information, each plant in the state was furnished a questionnaire on which to make a complete report, and this task, of course, entailed considerable correspondence on the part of the bureau.

On the whole, the returns proved very gratifying. In some few instances it was necessary to request additional information and corrected reports, but a splendid spirit of cooperation prevailed, for which we are very grateful.

The tables are classified by industry for the entire state, and to all who are interested in the progress of the state we believe they will be of some value.

We appreciate the courtesy of all who furnished data for this compilation, and we are especially indebted to the officers of the associated industries and of both the state and Portland Chambers of Commerce for the valuable assistance rendered.

Very interesting facts will be disclosed by a careful analysis of such statistics as are available as to output and wages paid during the year 1920 as compared with the year 1921. It is scarcely to be assumed that the discrepancies there disclosed can be accounted for by conditions obviously possible, yet it must be admitted that such could be the case. It is unfortunate, however, that this bureau is not in a position to show, by a competent survey, the variations in the cost of living by comparison to that of wages paid.

## LOGGING

TABLE 1-A—1920—SHOWING VALUE OF MACHINERY, CAPITAL AND OUTPUT

	Value of Machinery		Capital in Company		Output in number of feet for year 1920		Value of Output	
	Number of plants	Value	Number reporting	Value	Number reporting	Number of feet	Number reporting	Value
LOGGING..	87	67 \$4,445,552.38	40	\$4,610,285.89	73	1,100,971,699	73	\$19,690,038.57

The total number of firms listed in the logging industry have reported under one or more of the headings set out.

**MACHINERY**—The use of horsepower exclusively by many logging enterprises accounts for the percentage not reporting as to value of machinery.

**CAPITAL**—Many firms have no working capital aside from that invested in the machinery or other property necessary to actual operation.

**OUTPUT AND FINISHED PRODUCTS**—Records on output and value of products in several logging enterprises were inadequate to afford accurate statistics.

TABLE 1-B—1920—EMPLOYES AND WAGES

	Number of plants	Number of male employees		Average daily wage		Total wages paid labor year 1920		
		Number reporting	Number	Number reporting	Skilled	Unskilled	Number reporting	Amount
LOGGING.....	87	87	7,862	87	\$6.79	\$5.41	84	\$9,981,768.72

TABLE 1-C—1920—COMPARISON OF OUTPUT AND LABOR COST

	Total number of firms	Number of firms reporting	Value of finished product	Amount paid in wages for 1920	Amount paid in wages per \$100,000 output
LOGGING.....	87	72	\$19,683,130.57	\$ 8,993,078.50	\$ 45,689.34

**WAGES AND COMPARISONS**—Interesting facts will be disclosed by a careful analysis of statistics as to output and wages during 1920.

## MANUFACTURING

TABLE II-A—1920—SHOWING VALUES OF GROUND, BUILDINGS, MACHINERY, RAW MATERIAL, FINISHED PRODUCTS AND CAPITAL IN COMPANIES.

(Covering only plants using 2 horsepower or over.)

CHARACTER	Number of plants	Value of ground		Value of buildings	
		Number reporting	Value	Number reporting	Value
<b>WOOD AND WOOD PRODUCTS:</b>					
Sawmills and planers .....	173	118	\$ 10,724,677.87	135	\$ 10,343,721.07
Planers, box, barrel, pipe and handle factories .....	37	33	743,565.15	32	813,406.57
Sash, door and furniture factories and ready-made houses .....	42	32	521,454.01	29	570,974.58
Shingle mills, veneer and excelsior plants .....	23	17	171,955.04	19	202,715.50
Subtotal .....	275	200	\$ 12,161,652.07	215	\$ 11,930,817.72
<b>METAL PRODUCTS:</b>					
Boiler, pipe and iron foundries, patterns, heavy machinery and logging equipment .....	22	20	\$ 494,777.14	22	\$ 457,939.95
Machine, electric fixtures, elevators and saws .....	26	17	413,110.00	15	1,586,910.10
Sheet, ornamental iron, alloys, plating and structural steel .....	14	8	135,654.38	9	136,600.24
Subtotal .....	62	45	\$ 1,043,541.52	46	\$ 2,181,450.29
<b>FOOD PRODUCTS:</b>					
Creameries .....	74	35	\$ 132,040.00	39	\$ 385,010.81
Flour, feed and cereals .....	50	41	166,605.27	45	1,780,649.53
Fruits, vegetables and fish .....	40	29	1,200,352.33	31	1,692,184.55
Bakeries .....	23	11	121,430.00	13	336,247.15
Coffee, spice, extracts, syrups, pickles and vinegar .....	16	9	207,800.00	10	178,012.12
Biscuits, confections and paste products .....	14	7	254,000.00	8	237,998.42
Meat packing .....	12	9	284,586.57	9	1,376,633.25
Ice and cold storage .....	10	9	105,575.76	10	213,572.01
Beverages .....	6	5	403,000.00	5	207,000.00
Subtotal .....	245	155	\$ 2,875,389.93	170	\$ 6,407,307.92
<b>PAPER AND PAPER PRODUCTS:</b>	8	3	\$ 1,005,683.06	2	\$ 47,856.53
<b>TEXTILES, CLOTHING AND FURNISHINGS:</b>					
Woolen mills and wool scouring .....	9	8	\$ 133,389.04	9	\$ 403,659.16
Miscellaneous furnishings .....	22	8	225,500.00	9	239,281.12
Subtotal .....	31	16	\$ 358,889.04	18	\$ 642,940.28
<b>CLAY AND STONE PRODUCTS:</b>					
Crushed rock, concrete and marble .....	23	13	\$ 304,200.00	16	\$ 491,013.70
Brick, tile, pottery and asbestos .....	15	12	74,456.49	15	137,504.48
Subtotal .....	38	25	\$ 378,656.49	31	\$ 628,518.18
<b>CIGAR MANUFACTURING</b> .....	27	8	\$ 12,300.00	8	\$ 19,000.00
<b>CHEMICALS, SOAP, PAINT AND OILS</b> .....	11	11	\$ 202,162.30	7	\$ 178,014.02
<b>LEATHER AND RUBBER</b> .....	14	8	\$ 86,498.25	10	\$ 98,370.14
Grand total .....	711	471	\$ 18,124,772.66	507	\$ 22,134,275.08

The total number of firms reporting in each industry report under one or more of the headings set out.

**GROUND AND BUILDINGS**—Both grounds and buildings occupied by many industries are rented or leased. In these cases operators decline generally to set values on the grounds and buildings.

## MANUFACTURING—Continued

TABLE II-A—1920—SHOWING VALUES OF GROUND, BUILDINGS, MACHINERY, RAW MATERIAL, FINISHED PRODUCTS AND CAPITAL IN COMPANIES.

(Covering only plants using 2 horsepower or over.)

Value of machinery		Capital in company		Value of raw material		Value of finished products	
Number reporting	Value	Number reporting	Value	Number reporting	Value	Number reporting	Value
157	\$ 18,936,921.55	167	\$ 71,352,599.95	145	\$ 29,939,992.33	145	\$ 66,251,169.02
36	3,620,764.33	37	14,095,398.34	29	6,106,805.29	29	16,885,383.00
39	956,984.87	40	6,890,048.56	35	4,409,045.29	35	10,019,149.52
22	922,375.76	22	1,816,273.91	21	1,006,814.61	21	2,187,964.57
254	\$ 24,437,046.51	266	\$ 94,154,320.76	230	\$ 41,462,657.52	230	\$ 95,343,666.11
22	\$ 1,054,826.72	22	\$ 3,090,894.37	11	\$ 2,932,811.17	11	\$ 7,208,763.59
26	824,334.96	23	3,688,840.50	21	3,713,556.28	21	6,395,563.45
13	134,550.66	14	793,175.35	12	625,730.47	12	1,199,124.59
61	\$ 2,013,712.34	59	\$ 7,572,910.22	44	\$ 7,272,097.92	44	\$ 14,803,451.63
70	\$ 1,176,066.56	71	\$ 1,488,177.30	35	\$ 5,315,560.07	35	\$ 6,545,220.98
49	2,387,666.53	49	7,799,528.68	34	23,340,063.21	34	26,857,513.40
36	1,188,734.56	34	7,041,077.70	22	4,912,557.35	22	7,438,111.75
21	302,881.79	22	774,048.03	9	1,913,562.90	9	3,207,214.35
16	305,317.49	15	2,478,227.58	11	2,653,375.06	11	3,309,447.16
13	436,751.62	13	2,029,150.00	12	2,697,536.00	12	4,886,762.53
12	829,616.89	11	726,566.26	7	8,992,970.96	7	15,149,136.26
10	293,753.15	10	659,633.42	4	9,630.08	4	133,255.41
6	243,931.08	6	1,361,616.45	3	138,719.40	3	700,000.00
233	\$ 7,164,719.67	231	\$ 24,358,025.42	137	\$ 49,973,975.03	137	\$ 68,226,661.84
6	\$ 2,321,030.03	7	\$ 3,174,419.40	6	\$ 3,071,503.67	6	\$ 11,490,720.98
9	\$ 703,685.90	9	\$ 2,276,419.77	8	\$ 3,620,726.62	8	\$ 5,582,831.79
21	267,147.57	21	2,318,000.00	16	2,955,352.28	16	4,319,372.83
30	\$ 970,833.47	30	\$ 4,594,419.77	24	\$ 6,576,078.90	24	\$ 9,902,204.62
21	\$ 833,197.54	23	\$ 2,203,709.99	8	\$ 486,025.40	8	\$ 1,042,978.18
15	123,401.41	15	352,658.98	4	20,306.40	4	40,800.00
36	\$ 956,598.95	38	\$ 2,556,368.97	12	\$ 506,331.80	12	\$ 1,083,778.18
12	\$ 8,375.00	25	\$ 109,710.95	24	\$ 149,544.57	24	\$ 354,581.23
9	\$ 172,433.22	11	\$ 1,256,652.49	8	\$ 1,513,036.82	8	\$ 2,057,169.03
12	\$ 101,381.16	12	\$ 766,739.21	9	\$ 669,205.58	9	\$ 1,132,717.58
653	\$ 38,146,130.35	679	\$ 138,543,567.19	494	\$ 111,194,431.81	494	\$ 204,394,951.20

CAPITAL—Some industries have no working capital aside from that invested in the machinery.

RAW MATERIAL AND FINISHED PRODUCT—Because of lack of accurate records some industries are unable to furnish statistics on the value of raw material and output.

## MANUFACTURING—Continued

TABLE II-B—1920—EMPLOYES AND WAGES

CHARACTER	Number of plants	Number of employees			
		Males		Females	
		Number reporting	Number	Number reporting	Number
<b>WOOD AND WOOD PRODUCTS:</b>					
Sawmills and planers .....	173	165	13,229	9	85
Planers, box, barrel, pipe and handle factories .....	37	36	2,960	10	161
Sash, door and furniture factories and ready-made houses .....	42	41	2,114	11	209
Shingle mills, veneer and excelsior plants .....	23	23	419	3	67
Subtotal .....	275	265	18,722	33	522
<b>METAL PRODUCTS:</b>					
Boilers, pipe and iron foundries, patterns, heavy machinery and logging equipment .....	22	22	9,599	.....	.....
Machine, electric fixtures, elevators and saws .....	26	26	3,026	4	1,290
Sheet, ornamental iron, alloys, plating and structural steel .....	14	14	770	.....	.....
Subtotal .....	62	62	13,395	4	1,290
<b>FOOD PRODUCTS:</b>					
Creameries .....	74	73	488	26	98
Flour, feed and cereals .....	50	44	865	9	27
Fruits, vegetables and fish .....	40	35	1,647	28	1,676
Bakeries .....	23	21	449	15	87
Coffee, spice, extracts, syrups, pickles and vinegar .....	16	16	184	10	129
Biscuit, confections and paste produces .....	14	14	274	14	422
Meat packing .....	12	12	713	6	80
Ice and cold storage .....	10	10	62	.....	.....
Beverages .....	6	6	122	2	4
Subtotal .....	245	231	4,804	110	2,523
PAPER AND PAPER PRODUCTS .....	8	8	1,917	7	133
<b>TEXTILES, CLOTHING AND FURNISHINGS:</b>					
Woolen mills and wool scouring .....	9	9	591	7	587
Miscellaneous furnishings .....	22	19	430	18	762
Subtotal .....	31	28	1,021	25	1,349
<b>CLAY AND STONE PRODUCTS:</b>					
Crushed rock, concrete and marble .....	23	22	338	.....	.....
Brick, tile, pottery and asbestos .....	15	13	168	.....	.....
Subtotal .....	38	35	506	.....	.....
CHEMICALS, SOAP, PAINT AND OILS .....	11	11	147	4	57
CIGAR MANUFACTURING .....	27	19	106	9	19
LEATHER AND RUBBER .....	14	13	248	6	45
Grand total .....	711	672	40,866	198	5,938

**MANUFACTURING—Continued**  
**TABLE II-B—EMPLOYES AND WAGES**

Average daily wage								Total wages paid labor year 1920	
Males				Females					
Skilled		Unskilled		Skilled		Unskilled			
Number reporting	Amount	Number reporting	Amount	Number reporting	Amount	Number reporting	Amount	Number reporting	Amount
156	\$5.97	145	\$4.55	.....	.....	9	\$2.84	170	\$23,316,352.21
33	6.74	31	4.71	.....	.....	10	2.96	36	4,329,760.29
41	5.54	30	3.54	.....	.....	11	2.96	40	2,871,588.09
21	7.02	19	4.54	.....	.....	3	2.73	23	577,421.08
251	\$6.01	225	\$4.53	.....	.....	33	\$2.91	269	\$31,095,121.67
22	\$6.62	21	\$4.50	.....	.....	.....	.....	20	\$ 2,238,763.33
26	5.22	16	3.65	.....	.....	4	2.37	26	1,331,180.22
14	6.54	11	5.07	.....	.....	.....	.....	13	295,758.67
62	\$6.27	48	\$4.36	.....	.....	4	\$2.37	59	\$ 3,865,702.22
71	\$4.95	49	\$3.90	.....	.....	26	\$2.44	67	\$ 688,098.71
42	6.34	31	4.75	2	3.28	8	1.88	45	1,130,842.76
31	5.12	28	4.07	.....	.....	28	2.86	36	1,580,918.07
20	5.24	12	4.85	7	3.35	12	2.59	20	689,951.11
16	4.53	8	3.85	9	2.76	5	2.12	16	319,298.30
14	4.96	11	3.31	14	2.78	10	2.10	14	603,475.01
12	5.96	9	4.33	5	3.29	2	2.50	12	1,036,181.31
8	6.09	7	3.80	.....	.....	.....	.....	10	106,716.02
6	5.76	2	4.40	2	3.25	.....	.....	5	130,208.06
220	\$5.60	157	\$4.21	39	\$2.89	91	\$2.74	225	\$ 6,285,689.35
8	\$5.30	6	\$4.51	6	\$2.48	5	\$2.03	8	\$ 3,044,713.57
9	\$4.80	5	\$3.88	7	\$3.93	4	\$2.30	9	\$ 1,484,737.04
18	7.84	10	3.44	17	3.18	12	1.97	19	638,248.99
27	\$5.77	15	\$3.59	24	\$3.54	16	\$2.06	28	\$ 2,122,986.03
21	\$6.62	16	\$4.85	.....	.....	.....	.....	21	\$ 587,791.96
10	5.92	13	4.49	.....	.....	.....	.....	14	147,604.78
31	\$6.45	29	\$4.71	.....	.....	.....	.....	35	\$ 735,396.74
11	\$4.80	8	\$3.36	2	\$2.37	3	\$1.52	11	\$ 194,879.99
19	\$4.90	4	\$2.35	6	\$3.00	4	\$2.46	15	\$ 91,641.44
13	\$5.19	6	\$3.44	6	\$3.02	3	\$2.61	14	\$ 385,696.33
642	\$6.01	498	\$4.43	83	\$3.30	159	\$2.58	664	\$47,821,827.34

**MANUFACTURING—Continued**  
**TABLE II-C—1920—COMPARISON OF OUTPUT AND LABOR COST**

CHARACTER	Total number of firms	Number of firms reporting	Value of finished product	Amount paid in wages for 1920	Amount paid in wages per \$100,000 output
<b>WOOD AND WOOD PRODUCTS:</b>					
Sawmills and planers....	173	145	\$ 66,251,169.02	\$ 18,592,815.72	\$28,064.16
Planers, box, barrel, pipe and handle factories.....	37	28	16,882,383.00	4,234,459.81	25,082.24
Sash, door, furniture factories, ready-made houses.....	42	33	9,999,682.34	2,632,785.86	26,328.91
Shingle mills, veneer and excelsior plants..	23	21	2,187,964.57	564,697.53	25,810.02
Subtotal .....	275	227	\$ 95,321,198.93	\$ 26,024,758.92	\$27,302.20
<b>METAL PRODUCTS:</b>					
Boilers, pipe and iron foundries, patterns, heavy machinery and logging equipment .....	22	11	7,208,763.59	2,016,567.61	27,974.08
Machine, electric fixtures, elevators and saws .....	26	21	6,395,563.45	1,209,110.21	18,905.64
Sheet, ornamental iron, alloys, plating and structural steel .....	14	11	1,109,124.59	241,857.37	21,806.63
Subtotal .....	62	43	\$ 14,713,451.63	\$ 3,467,535.19	23,567.19
<b>FOOD PRODUCTS:</b>					
Creameries .....	74	32	\$ 6,081,883.51	\$ 288,143.01	\$ 4,737.79
Flour, feed and cereals.....	50	30	26,733,713.40	956,499.06	3,577.88
Fruits, vegetables and fish .....	40	22	7,438,111.75	1,098,529.72	14,768.96
Bakeries .....	23	8	2,846,164.79	521,389.96	18,319.45
Coffee, spice, extracts, syrups, pickles and vinegar .....	16	11	3,309,447.16	179,777.80	5,432.34
Biscuits, confections and paste products..	14	12	4,886,762.53	593,235.01	12,139.79
Meat packing .....	12	7	15,149,136.26	965,932.95	6,376.17
Ice and cold storage .....	10	4	133,255.41	59,197.54	44,442.59
Beverages .....	6	2	690,000.00	112,949.77	16,369.53
Subtotal .....	245	128	\$ 67,268,474.81	\$ 4,775,654.82	7,099.40
<b>PAPER AND PAPER PRODUCTS</b> .....	8	6	11,490,720.98	3,033,063.57	26,395.81
<b>TEXTILES, CLOTHING AND FURNISHINGS:</b>					
Woolen mills and wool scouring .....	9	8	5,582,831.79	1,470,914.43	26,347.25
Miscellaneous furnishings .....	22	15	4,210,496.83	592,710.69	14,077.30
Subtotal .....	31	23	\$ 9,793,328.62	\$ 2,063,625.12	\$21,071.81
<b>CLAY AND STONE PRODUCTS:</b>					
Crushed rock, concrete and marble .....	23	8	1,042,978.18	326,932.81	31,338.43
Brick, tile, pottery and asbestos .....	15	4	40,800.00	13,330.48	32,672.75
Subtotal .....	33	12	\$ 1,083,778.18	\$ 340,263.29	\$31,398.29
<b>CHEMICALS, SOAP, PAINT AND OILS..</b>	11	8	2,057,169.03	170,356.33	8,281.38
<b>LEATHER AND RUBBER</b> .....	14	8	1,109,490.79	239,562.66	21,593.89
<b>CIGAR MANUFACTURING</b> .....	27	13	254,478.23	91,134.04	35,823.13
Grand total .....	711	468	\$203,092,091.20	\$ 40,205,953.94	\$19,796.92

**INDUSTRIES**  
**TABLE III-A—1920—SHOWING VALUES OF GROUND, BUILDINGS, MACHINERY AND CAPITAL IN COMPANIES**

CHARACTER	Value of ground		Value of buildings		Value of machinery		Capital in company	
	Number reporting	Value	Number reporting	Value	Number reporting	Value	Number reporting	Value
Blacksmith shops .....	15	\$ 36,000.00	13	\$ 29,000.00	15	\$ 31,673.44	14	\$ 114,736.86
Electric light and gas plants .....	31	8,052,704.62	18	4,765,202.82	20	14,965,151.58	27	93,125,169.61
Feed mills .....	29	34,314.86	23	338,535.80	28	133,942.86	29	593,343.67
Fixture shops .....	5	2,000.00	3	38,000.00	8	13,940.00	5	141,000.00
Garage and auto repair shops .....	94	665,944.28	62	1,360,192.01	82	365,778.49	90	2,662,104.57
Laundries and dye works .....	47	213,350.00	37	294,566.70	45	710,972.93	42	872,662.00
Machine shops and autogenous welding .....	35	1,391,821.71	18	585,345.32	31	356,442.42	34	6,106,661.67
Mining .....	9	1,041,864.12	9	293,016.43	9	492,837.55	34	5,701,950.00
Newspapers and job printing .....	123	702,820.00	41	898,974.71	110	2,116,263.37	118	4,935,720.00
Water pumping plants .....	20	343,148.61	14	612,212.71	17	670,762.32	20	1,865,366.58
<b>Total .....</b>	<b>408</b>	<b>\$ 12,493,588.22</b>	<b>242</b>	<b>\$ 9,203,047.31</b>	<b>360</b>	<b>\$ 19,087,773.06</b>	<b>388</b>	<b>\$ 116,122,633.97</b>

The total number of firms reporting in each industry report under one or more of the headings set out. **GROUPS AND BUILDINGS**—Both grounds and buildings occupied by many industries are rented or leased. In these cases operators decline generally to set values on grounds and buildings.

**MACHINERY**—The value of machinery in plants of 2 horsepower and under is not indicated. **CAPITAL**—Some industries have no working capital aside from that invested in the machinery.

## INDUSTRIES—Continued

TABLE III-B—1920—EMPLOYES AND WAGES

CHARACTER	Number of plants	Number of employees			
		Males		Females	
		Number reporting	Number	Number reporting	Number
Blacksmith shops .....	15	15	44	.....	.....
Electric light and gas plants .....	31	31	3,719	.....	.....
Feed mills .....	29	26	168	.....	.....
Fixture shops .....	5	5	41	.....	.....
Garage and auto repair shops .....	94	89	823	.....	.....
Laundries and dye works .....	47	40	301	38	770
Machine shops and autogenous welding .....	35	35	811	.....	.....
Mining .....	29	8	389	.....	.....
Newspapers and job printing .....	123	105	1,463	64	323
Water pumping plants .....	20	18	100	.....	.....
Total .....	408	372	7,874	102	1,093

## LOGGING

TABLE IV-A—1921—SHOWING VALUE OF MACHINERY, CAPITAL AND OUTPUT

	Number of plants	Value of machinery		Capital in company		Output in number of feet for year 1921		Value of output	
		Number reporting	Value	Number reporting	Value	Number reporting	Number of feet	Number reporting	Value
LOGGING	100	77	\$4,830,334.94	50	\$5,724,594.23	86	803,605,088	86	\$10,777,073.33

The total number of firms listed in the logging industry have reported under one or more of the headings set out.

**MACHINERY**—The use of horsepower exclusively by many logging enterprises accounts for the percentage not reporting as to value of machinery.

**CAPITAL**—Many firms have no working capital aside from that invested in the machinery or other property necessary to actual operation.

**OUTPUT AND FINISHED PRODUCTS**—Records on output and value of products in several logging enterprises were inadequate to afford accurate statistics.

## INDUSTRIES—Continued

TABLE III-B—1920—EMPLOYES AND WAGES

Average daily wage								Total wages paid labor year 1920	
Males				Females					
Skilled		Unskilled		Skilled		Unskilled			
Number reporting	Amount	Number reporting	Amount	Number reporting	Amount	Number reporting	Amount	Number reporting	Amount
15	\$6.09	5	\$4.88	-----	-----	-----	-----	13	\$ 49,581.42
31	6.26	19	4.89	-----	-----	-----	-----	30	5,600,110.07
20	6.00	17	4.57	-----	-----	-----	-----	28	164,490.10
5	5.98	2	5.00	-----	-----	-----	-----	5	83,855.56
88	6.09	46	3.83	-----	-----	-----	-----	90	1,186,770.81
40	5.35	14	3.53	39	\$2.71	15	\$2.22	46	1,188,836.60
35	6.83	19	4.43	-----	-----	-----	-----	34	1,252,586.40
8	6.08	5	4.39	-----	-----	-----	-----	9	600,265.75
104	6.54	45	4.07	46	3.63	27	2.79	96	2,097,564.81
18	4.35	4	3.98	-----	-----	-----	-----	18	60,239.19
364	\$6.28	176	\$4.41	85	\$2.91	42	\$2.56	369	\$12,284,300.71

## LOGGING—Continued

TABLE IV-B—1921—EMPLOYES AND WAGES

	Number of plants	Number of male employees		Average daily wage			Total wages paid labor year 1921	
		Number reporting	Number	Number reporting	Skilled	Unskilled	Number reporting	Amount
LOGGING .....	100	100	6,586	100	\$5.43	\$3.82	97	\$ 5,300,817.55

TABLE IV-C—1921—COMPARISON OF OUTPUT AND LABOR COST

	Total number of firms	Number of firms reporting	Value of finished product	Amount paid in wages for 1921	Amount paid in wages per \$100,000 output
LOGGING .....	100	84	\$ 10,656,208.31	\$ 4,769,940.55	\$ 44,762.12

WAGES AND COMPARISONS—Interesting facts will be disclosed by a careful analysis of statistics as to output and wages during 1921.

## MANUFACTURING

TABLE V-A — 1921 — SHOWING VALUES OF GROUND, BUILDINGS, MACHINERY, RAW MATERIAL, FINISHED PRODUCTS AND CAPITAL IN COMPANIES.

(Covering only plants using 2 horsepower or over.)

CHARACTER	Number of plants	Value of ground		Value of buildings	
		Number reporting	Value	Number reporting	Value
<b>WOOD AND WOOD PRODUCTS:</b>					
Sawmills and planers.....	178	121	\$10,077,553.20	139	\$10,029,704.66
Planers, box, barrel, pipe and handle factories.....	40	35	747,815.15	35	837,306.57
Sash, door and furniture factories and ready-made houses.....	50	35	565,454.01	32	651,346.27
Shingle mills, veneer and excelsior plants.....	24	18	172,455.04	20	218,815.50
Subtotal.....	292	209	\$11,563,277.40	226	\$11,737,173.00
<b>METAL PRODUCTS:</b>					
Boilers, pipe and iron foundries, patterns, heavy machinery and logging equipment.....	24	21	\$ 504,777.14	24	\$ 464,139.95
Machine, electric fixtures, elevators and saws.....	31	19	436,610.00	18	1,591,059.86
Sheet, ornamental iron, alloys, plating and structural steel....	14	8	135,654.38	9	136,600.24
Subtotal.....	69	48	\$ 1,077,041.52	51	\$ 2,191,800.05
<b>FOOD PRODUCTS:</b>					
Creameries.....	92	46	\$ 155,465.00	53	\$ 429,203.91
Flour, feed and cereals.....	56	45	192,651.27	49	1,924,928.91
Fruits, vegetables and fish.....	49	38	1,230,752.33	40	1,768,058.04
Bakeries.....	26	13	128,060.00	15	345,642.15
Coffee, spice, extracts, syrups, pickles and vinegar.....	16	9	207,800.00	10	178,012.12
Biscuits, confections and paste products.....	15	7	254,000.00	8	237,998.42
Meat packing.....	12	9	284,586.57	9	1,376,633.25
Ice and cold storage.....	12	11	130,575.76	12	224,034.72
Beverages.....	7	6	406,000.00	6	208,000.00
Subtotal.....	285	184	\$ 2,989,890.93	202	\$ 6,692,511.52
<b>PAPER AND PAPER PRODUCTS:</b>	9	4	\$ 1,010,933.06	3	\$ 80,878.53
<b>TEXTILES, CLOTHING AND FURNISHINGS:</b>					
Wollen mills and wool scouring..	10	9	\$ 143,389.04	10	\$ 434,659.16
Miscellaneous furnishings.....	25	10	246,200.00	11	295,781.12
Subtotal.....	35	19	\$ 389,589.04	21	\$ 730,440.28
<b>CLAY AND STONE PRODUCTS:</b>					
Crushed rock, concrete and marble.....	25	14	\$ 306,200.00	18	\$ 497,013.70
Brick, tile, pottery and asbestos..	15	12	72,956.49	15	137,104.48
Subtotal.....	40	26	\$ 379,156.49	33	634,118.18
<b>CHEMICALS, SOAP, PAINTS AND OILS</b>	12	8	\$ 342,162.30	8	\$ 548,014.02
<b>CIGAR MANUFACTURING</b>	30	9	\$ 12,800.00	9	\$ 19,200.00
<b>LEATHER AND RUBBER</b>	14	8	\$ 86,498.25	10	\$ 98,370.14
Grand total.....	786	515	\$17,851,348.99	563	\$22,732,525.72

The total number of firms reporting in each industry report under one or more of the headings set out.

**GROUND AND BUILDINGS**—Both grounds and buildings occupied by many industries are rented or leased. In these cases operators decline generally to set values on the grounds and buildings.

## MANUFACTURING—Continued

TABLE V-A — 1921 — SHOWING VALUES OF GROUND, BUILDINGS, MACHINERY, RAW MATERIAL, FINISHED PRODUCTS AND CAPITAL IN COMPANIES.

(Covering only plants using 2 horsepower or over.)

Value of machinery		Capital in company		Value of raw material		Value of finished product	
Number reporting	Value	Number reporting	Value	Number reporting	Value	Number reporting	Value
162	\$19,647,588.45	173	\$ 68,164,076.27	150	\$17,130,835.32	150	\$ 36,579,403.89
39	3,655,564.33	40	14,179,798.34	33	3,359,821.83	33	7,790,240.57
47	1,113,890.55	48	7,148,048.56	41	3,506,146.20	41	8,126,804.71
23	946,675.76	23	1,857,773.91	23	817,102.12	23	1,369,174.52
271	\$25,363,719.09	284	\$ 91,349,697.08	247	\$24,813,905.48	247	\$ 53,865,623.69
24	\$ 1,075,826.72	24	\$ 3,171,194.37	14	\$ 1,552,308.90	14	\$ 3,579,777.57
31	862,491.99	29	3,823,400.50	25	2,720,008.62	25	4,875,179.57
13	134,550.66	14	793,175.35	12	408,899.01	12	838,743.74
68	\$ 2,072,869.37	67	\$ 7,787,770.22	51	\$ 4,681,216.53	51	\$ 9,293,700.88
89	1,341,672.94	88	1,453,652.30	53	\$ 4,825,663.64	53	\$ 6,528,659.17
53	2,503,487.71	55	8,413,128.68	38	16,117,331.37	38	18,209,792.09
44	1,255,358.64	43	7,191,842.70	28	3,280,792.92	28	5,369,679.33
24	313,109.71	25	785,048.03	13	1,414,450.25	13	2,790,109.65
16	305,317.49	15	2,478,227.58	12	1,911,320.48	12	2,642,622.57
14	439,251.62	14	2,035,150.00	13	1,654,881.50	13	3,345,953.28
12	329,616.89	11	726,566.26	7	6,498,858.82	7	10,851,883.21
12	330,158.09	12	740,633.42	5	18,324.08	5	175,919.99
7	245,031.08	7	1,367,616.45	4	17,320.97	4	503,000.00
271	\$ 7,563,004.17	270	\$ 25,191,865.42	173	\$35,738,944.03	173	\$ 50,417,619.29
7	\$ 2,404,702.03	8	\$ 3,424,419.40	7	\$ 2,584,229.97	7	\$ 9,116,945.84
10	\$ 760,685.96	10	\$ 2,575,419.77	9	\$ 2,416,130.19	9	\$ 4,132,510.69
24	281,147.57	23	2,330,000.90	19	2,201,392.20	19	2,951,045.46
34	\$ 1,041,833.47	33	\$ 4,905,419.77	28	\$ 4,617,522.39	28	\$ 7,083,286.15
23	\$ 842,197.54	25	\$ 2,226,709.99	10	\$ 409,621.60	10	\$ 967,170.38
15	111,851.41	15	339,208.98	5	36,452.50	5	102,910.52
38	\$ 954,048.95	40	\$ 2,565,918.97	15	\$ 446,074.10	15	\$ 1,070,080.90
10	\$ 272,433.22	11	\$ 2,256,652.49	8	\$ 1,555,044.34	8	\$ 2,159,114.36
12	\$ 8,300.06	27	\$ 109,560.95	27	\$ 108,994.49	27	\$ 304,709.59
12	\$ 101,381.16	12	\$ 766,739.21	8	\$ 371,702.22	8	\$ 659,612.73
723	\$39,782,231.46	752	\$138,358,043.51	564	\$74,917,633.55	564	\$133,970,693.43

CAPITAL—Some industries have no working capital aside from that invested in the machinery.

RAW MATERIAL AND FINISHED PRODUCT—Because of lack of accurate records some industries are unable to furnish statistics on the value of raw material and output.

**MANUFACTURING—Continued**  
**TABLE V-B—1921—EMPLOYES AND WAGES**

CHARACTER	Number of plants	Number of employes			
		Males		Females	
		Number reporting	Number	Number reporting	Number
<b>WOOD AND WOOD PRODUCTS:</b>					
Sawmills and planers .....	178	168	12,163	9	81
Planers, box, barrel, pipe and handle factories .....	40	40	2,648	9	131
Sash, door and furniture factories and ready-made houses .....	50	49	2,189	10	116
Shingle mills, veneer and excelsior plants.....	24	24	450	3	65
Subtotal .....	292	281	17,450	31	393
<b>METAL PRODUCTS:</b>					
Boilers, pipe and iron foundries, patterns, heavy machinery and logging equipment.....	24	24	6,154	.....	.....
Machine, electric fixtures, elevators and saws .....	31	31	2,117	5	758
Sheet, ornamental iron, alloys, plating and structural steel .....	14	14	331	.....	.....
Subtotal .....	69	69	8,602	5	758
<b>FOOD PRODUCTS:</b>					
Creameries .....	92	89	501	31	91
Flour, feed and cereals .....	56	50	881	11	28
Fruits, vegetables and fish .....	49	46	1,775	36	2,377
Bakeries .....	26	22	439	16	91
Coffee, spice, extracts, syrups, pickles and vinegar .....	16	16	167	10	92
Biscuits, confections and paste products.....	15	15	249	14	348
Meat packing .....	12	12	537	6	59
Ice and cold storage .....	12	12	73	.....	.....
Beverages .....	7	7	92	3	5
Subtotal .....	285	269	4,714	127	3,091
PAPER AND PAPER PRODUCTS .....	9	9	1,799	8	89
<b>TEXTILES, CLOTHING AND FURNISHINGS:</b>					
Woolen mills and wool scouring.....	10	10	881	8	821
Miscellaneous furnishings .....	25	21	288	20	689
Subtotal .....	35	31	1,169	28	1,510
<b>CLAY AND STONE PRODUCTS:</b>					
Crushed rock, concrete and marble.....	25	22	334	.....	.....
Brick, tile, pottery and asbestos .....	15	13	142	.....	.....
Subtotal .....	40	35	476	.....	.....
CHEMICALS, SOAP, PAINT AND OILS.....	12	12	217	3	36
CIGAR MANUFACTURING .....	30	21	84	8	22
LEATHER AND RUBBER .....	14	13	206	5	37
Grand total .....	786	740	34,717	215	5,936

## MANUFACTURING—Continued

TABLE V-B—1921—EMPLOYES AND WAGES

Average daily wage									
Males				Females				Total wages paid labor year 1921	
Skilled		Unskilled		Skilled		Unskilled		Number reporting	Amount
Number reporting	Amount	Number reporting	Amount	Number reporting	Amount	Number reporting	Amount		
155	\$4.75	145	\$3.37	.....	.....	9	\$2.63	175	\$11,911,023.78
37	5.51	35	3.44	.....	.....	9	2.71	40	2,385,768.01
48	4.65	38	3.33	.....	.....	10	2.67	48	2,422,210.85
22	5.64	20	3.63	.....	.....	3	2.36	24	487,282.48
262	\$4.85	238	\$3.39	.....	.....	31	\$2.62	287	\$17,206,285.12
24	\$5.28	22	\$3.42	.....	.....	.....	.....	22	\$ 1,101,802.71
30	5.15	18	3.56	.....	.....	5	2.34	31	921,955.55
14	6.47	11	4.48	.....	.....	.....	.....	13	221,163.80
68	\$5.30	51	\$3.48	.....	.....	5	\$ 2.34	66	\$ 2,244,922.06
87	\$3.96	53	\$3.60	.....	.....	31	\$2.54	81	\$ 675,557.65
47	5.36	36	2.98	3	\$3.35	9	2.56	51	1,174,141.44
40	4.86	37	3.43	.....	.....	36	2.56	46	1,454,910.40
21	5.88	14	4.39	8	3.23	12	2.58	23	684,330.75
16	4.64	9	3.59	9	2.69	4	2.16	16	256,525.51
15	4.70	11	2.94	14	2.69	11	2.09	15	548,691.48
12	5.53	9	3.89	5	3.28	2	2.38	12	825,742.60
10	5.70	9	3.72	.....	.....	.....	.....	12	123,949.39
7	5.74	1	4.00	3	2.86	.....	.....	6	90,122.45
255	\$ 5.10	179	\$3.43	42	\$2.82	105	\$2.53	262	\$ 5,833,971.67
9	\$4.65	7	\$3.52	7	\$2.66	6	\$1.80	9	\$ 2,132,560.38
10	\$4.17	6	\$3.35	8	\$3.20	5	\$1.93	10	\$ 1,414,316.71
20	5.33	11	3.42	19	3.02	11	1.96	23	741,977.83
30	\$4.43	17	\$3.37	27	\$3.12	16	\$1.95	33	\$ 2,156,294.54
22	\$6.70	16	\$6.07	.....	.....	.....	.....	22	\$ 565,173.92
9	5.21	13	3.75	.....	.....	.....	.....	15	126,154.12
31	\$6.34	29	\$5.30	.....	.....	.....	.....	37	\$ 691,328.04
12	\$4.92	9	\$3.68	2	\$2.60	2	\$1.52	12	\$ 278,611.82
21	\$4.49	4	\$2.35	5	\$3.64	4	\$2.36	17	\$ 80,291.79
13	\$4.95	6	\$3.07	5	\$2.89	3	\$2.24	14	\$ 279,178.79
701	\$4.99	540	\$3.46	88	\$3.04	172	\$2.45	737	\$30,903,444.21

## MANUFACTURING—Continued

TABLE V-C—1921—COMPARISON OF OUTPUT AND LABOR COST

CHARACTER	Total number of firms	Number of firms reporting	Value of finished product	Amount paid in wages for 1921	Amount paid in wages per \$100,000 output
<b>WOOD AND WOOD PRODUCTS:</b>					
Sawmills and planers.....	178	149	\$ 36,575,653.89	\$ 11,071,887.38	\$30,271.24
Planers, box, barrel, pipe and handle factories.....	40	32	7,760,240.59	2,309,907.39	29,766.08
Sash, door, furniture factories, ready-made houses.....	50	39	8,107,406.13	2,187,912.83	26,986.61
Shingle mills, veneer and excelsior plants.....	24	23	1,369,174.52	481,603.16	35,176.62
Subtotal .....	292	243	\$ 53,812,475.13	\$ 16,051,310.76	29,828.27
<b>METAL PRODUCTS:</b>					
Boilers, pipe and iron foundries, patterns, heavy machinery and logging equipment.....	24	13	3,550,665.23	940,486.58	26,488.10
Machine, electric fixtures, elevators and saws.....	31	25	4,875,179.57	809,744.81	16,609.81
Sheet, ornamental iron, alloys, plating and structural steel .....	14	11	790,743.74	171,224.37	21,654.78
Subtotal .....	69	49	\$ 9,216,588.54	\$ 1,921,455.76	\$20,848.00
<b>FOOD PRODUCTS:</b>					
Creameries .....	92	47	\$ 6,185,207.73	\$ 401,767.69	\$ 6,495.63
Flour, feed and cereals.....	56	33	18,043,492.09	1,039,137.14	5,759.10
Fruits, vegetables and fish .....	49	28	5,369,679.33	917,158.67	17,080.58
Bakeries .....	26	12	2,490,452.09	495,654.03	19,902.59
Coffee, spice, extracts, syrups, pickles and vinegar .....	16	11	2,542,622.57	133,524.15	5,251.48
Biscuits, confections and paste products.....	15	13	3,345,953.28	538,866.48	16,105.28
Meat packing .....	12	7	10,851,883.21	764,796.64	7,047.65
Ice and cold storage .....	12	5	175,919.99	70,146.15	39,878.43
Beverages .....	7	3	494,500.00	73,638.65	14,891.54
Subtotal .....	285	159	\$ 49,499,710.29	\$ 4,434,689.60	\$ 8,959.02
<b>PAPER AND PAPER PRODUCTS:</b>	9	7	\$ 9,116,945.84	\$ 2,119,665.73	\$23,249.85
<b>TEXTILE, CLOTHING AND FURNISHINGS:</b>					
Woolen mills and wool scouring .....	10	9	\$ 4,132,240.69	\$ 1,406,955.09	\$34,048.57
Miscellaneous furnishings .....	25	18	2,841,285.46	668,506.77	23,529.03
Subtotal .....	35	27	\$ 6,973,526.15	\$ 2,175,461.86	\$31,196.13
<b>CLAY AND STONE PRODUCTS:</b>					
Crushed rock, concrete and marble .....	25	9	\$ 961,370.38	\$ 323,508.78	\$33,653.26
Brick, tile, pottery and asbestos .....	15	4	55,510.52	15,031.85	27,084.41
Subtotal .....	40	13	\$ 1,016,880.90	\$ 338,540.63	\$33,294.71
<b>CHEMICALS, SOAP, PAINT AND OILS...</b>	12	8	\$ 2,159,114.36	\$ 172,468.66	\$ 7,987.99
<b>LEATHER AND RUBBER</b>	14	8	\$ 659,612.73	\$ 159,305.57	\$24,151.85
<b>CIGAR MANUFACTURING</b>	30	14	\$ 207,435.44	\$ 77,171.24	\$37,208.89
Grand total .....	786	528	\$132,662,289.38	\$ 27,450,069.81	\$20,691.70

**INDUSTRIES**  
**TABLE VI-A—1921—SHOWING VALUES OF GROUND, BUILDINGS, MACHINERY AND CAPITAL**  
**IN COMPANIES**

CHARACTER	Value of ground		Value of buildings		Value of machinery		Capital in company	
	Number reporting	Value	Number reporting	Value	Number reporting	Value	Number reporting	Value
Blacksmith shops .....	18	\$ 36,500.00	15	\$ 80,500.00	18	\$ 33,873.44	17	\$ 127,336.86
Electric light and gas plants .....	32	8,061,704.82	19	4,769,202.63	21	14,281,226.58	28	93,148,169.61
Feed mills .....	29	34,314.88	24	336,635.80	28	133,942.36	29	593,343.67
Fixture shops .....	5	3,000.00	2	28,000.00	3	13,950.00	5	141,000.00
Garage and auto repair shops .....	105	733,144.28	74	1,410,393.01	92	383,304.57	100	2,739,604.57
Laundries and dye works .....	52	283,850.00	41	322,566.70	50	755,768.23	47	991,982.00
Machine shops and autogenous weld- ing .....	38	1,392,571.71	19	589,190.32	33	372,042.42	37	6,564,661.67
Mining .....	11	1,051,984.12	9	291,916.43	11	433,980.71	11	5,741,674.61
Newspapers and job printing .....	131	706,120.00	44	903,474.71	118	2,202,506.33	126	5,050,820.01
Water pumping plants .....	20	343,148.61	14	612,212.71	17	670,762.92	20	1,869,335.58
<b>Total .....</b>	<b>441</b>	<b>\$ 12,646,338.22</b>	<b>261</b>	<b>\$ 9,344,092.31</b>	<b>391</b>	<b>\$ 19,287,357.56</b>	<b>420</b>	<b>\$ 116,967,778.58</b>

The total number of firms reporting in each industry report under one or more of the headings set out.

**GROUNDS AND BUILDINGS**—Both grounds and buildings occupied by many industries are rented or leased. In these cases operators decline generally to set values on grounds and buildings.

**MACHINERY**—The value of machinery in plants of 2 horsepower and under is not indicated.

**CAPITAL**—Some industries have no working capital aside from that invested in the machinery.

## INDUSTRIES—Continued

TABLE VI-B—1921—EMPLOYES AND WAGES

CHARACTER	Number of plants	Number of employees			
		Males		Females	
		Number reporting	Number	Number reporting	Number
Blacksmith shops .....	18	18	48	.....	.....
Electric light and gas plants .....	32	32	3,802	.....	.....
Feed mills .....	29	26	166	.....	.....
Fixture shops .....	5	5	44	.....	.....
Garage and auto repair shops .....	105	97	820	.....	.....
Laundries and dye works .....	52	45	348	43	788
Machine shops and autogenous welding .....	38	38	671	.....	.....
Mining .....	11	10	360	.....	.....
Newspaper and job printing .....	131	116	1,557	67	330
Water pumping plants .....	20	18	84	.....	.....
Total .....	441	405	7,900	110	1,118

INDUSTRIES—Continued  
TABLE VI-B—1921—EMPLOYES AND WAGES

Average daily wage								Total wages paid labor year 1921	
Males				Females					
Skilled		Unskilled		Skilled		Unskilled			
Number reporting	Amount	Number reporting	Amount	Number reporting	Amount	Number reporting	Amount		
18	\$5.58	6	\$4.20					16	\$ 44,330.30
32	6.81	20	3.42					31	5,660,057.73
20	4.89	16	4.31					28	286,406.71
5	5.75	2	5.00					5	69,797.60
98	5.73	48	3.72					99	1,128,521.46
45	5.44	16	3.51	43	\$2.59	15	\$2.19	50	1,159,454.35
38	6.46	19	4.01					37	1,005,024.86
10	5.45	7	4.50					11	558,552.10
113	7.02	57	4.39	56	3.79	25	2.57	105	2,122,156.91
18	4.32	3	4.00					18	51,593.98
397	\$6.52	194	\$3.92	99	\$2.88	40	\$2.40	400	\$12,085,896.00

**WOMEN IN INDUSTRY**  
**TABLE VII-A—COMPARING NUMBER OF FEMALES TO TOTAL NUMBER OF EMPLOYEES, AND WAGE SCALE**

CHARACTER	Number of operations	Number of employees			Average weekly wage			Number of time workers	Number of piece workers
		Total	Males	Females	Minors	Males	Females		
<b>MANUFACTURING:</b>									
Woolen and knitting mills	8	1,411	727	672	12	\$14.55	\$12.36	712	699
Garment manufacturing	19	692	100	592		32.96	18.89	272	420
Dressmaking and tailoring	4	65	43	22		40.79	22.36	51	14
Millinery	29	344	39	304	1	33.98	17.88	344	
Furriers	5	16	4	11	1	49.00	19.77	16	
Hemstitching, buttons, pleating, gloves, etc.	8	49	12	37		22.89	24.69	18	31
Canvas bags, mattresses and upholstering	9	313	131	180	2	27.50	17.37	207	106
Food products, coffee, tea, spices, etc.	38	3,401	1,187	2,107	107	24.87	14.47	1,646	1,755
Bakeries	39	552	385	157	10	30.66	15.43	545	7
Candy manufacturing	11	196	91	103	2	29.72	15.39	151	45
Wood products	8	82	834	44	4	22.18	16.90	789	93
Printing	10	314	224	83	7	37.26	20.51	314	
Paper boxes	4	136	57	79		31.03	13.36	136	
Not otherwise classified	8	536	376	156	4	28.26	16.43	478	58
Subtotal	200	8,907	4,210	4,547	150	\$24.77	\$15.44	5,679	3,228
<b>MERCANTILE:</b>									
General merchandise	20	773	320	366	87	\$26.27	\$14.85	772	1
Department stores	25	3,516	1,277	2,152	87	23.85	16.10	3,516	
Notions, 5-10-15c stores	16	216	49	165	2	28.06	14.68	216	
Variety stores	7	15	3	12		22.03	12.89	15	
Dry goods	48	756	321	390	45	35.32	18.21	756	
Ladies ready-to-wear	37	442	62	378	2	32.59	21.62	442	
Cloak and suit	5	14	1	13		30.00	21.81	14	
Clothing, shoes and furnishings	14	323	223	100		34.77	22.79	322	1
Groceries, dairies, delicatessens	20	730	529	194	7	32.66	19.66	730	
Meat	5	151	130	21		38.06	22.50	151	
Furniture	9	255	213	41	1	30.73	20.61	255	
Paint, oil, etc.	5	269	233	36		34.50	23.04	269	
Paper	4	156	130	26		39.56	21.38	156	
Books, stationery, photo supplies, etc.	12	210	133	77		34.47	20.69	210	
Music	16	231	149	72		38.47	21.21	231	

Drugs .....	19	531	330	201	32.78	18.57	531	4
Not otherwise classified .....	35	1,089	788	275	27.92	19.56	1,085	
Subtotal .....	297	9,667	4,891	4,519	\$29.97	\$17.53	9,661	6
<b>PUBLIC HOUSEKEEPING:</b>								
Confectionery stores and bakeries .....	51	699	290	406	\$27.09	\$17.26	699	
Restaurants, cafeterias, lunch rooms .....	191	1,702	834	867	25.75	16.10	1,702	
Hotels and hotel dining rooms .....	118	1,851	996	858	24.40	15.32	1,851	
Boarding and rooming houses .....	7	15	4	11	15.49	11.44	15	
Subtotal .....	367	4,267	2,124	2,132	\$25.28	\$15.98	4,267	
<b>TELEPHONE AND TELEGRAPH</b>	62	3,197	1,118	2,016	\$34.29	\$18.51	3,189	8
<b>LAUNDRIES, CLEANERS AND DYERS:</b>								
Laundries .....	36	1,006	306	695	\$28.73	\$14.35	982	24
Cleaners and dyers .....	10	185	85	100	29.72	20.97	128	57
Subtotal .....	46	1,191	391	795	\$27.38	\$15.18	1,110	81
<b>OFFICES:</b>	29	4,149	3,739	403	\$32.38	\$20.90	4,149	
<b>PERSONAL SERVICE:</b>								
Theaters .....	11	356	202	154	\$47.83	\$16.96	356	
Hairdressing and beauty shops .....	5	24	24	24	18.10	18.10	24	
Subtotal .....	16	380	202	178	\$47.83	\$17.11	380	
Grand total .....	1,017	31,758	16,675	14,590	\$29.05	\$16.75	28,435	3,323

**WOMEN IN INDUSTRY—Continued**  
**TABLE VII-B—WOMEN SUPPORTING DEPENDENTS, THEIR MARITAL CONDITION AND NUMBER OF DEPENDENTS**

CHARACTER	Number of firms	Total number of women	Number without dependents	Women supporting dependents						Number of dependents			
				Number of women	Marital condition					Total	Children	Adults	
					Married	Divorced	Separated	Single	Widowed				Deceased
MANUFACTURING:													
Woolen and knitting mills	8	672	504	168	80	12		36	38	2	367	287	80
Garment manufacturing	19	592	389	203	97	14	7	44	37	4	364	236	128
Dressmaking and tailoring	4	22	19	3	1	1			1		5	4	1
Millinery	29	304	260	44	17	6	4	6	10	1	57	36	21
Furriers	5	11	7	4	2			1	1		6	4	2
Hemstitching, buttons, pleating, gloves, etc.	8	37	24	13	9			3	1		17	12	5
Canvas bags, mattresses and upholstery	9	180	147	33	3	4		13	13		44	20	24
Food products, coffee, tea, spices, etc.	38	2,107	2,067	40	16	4	1	13	6		77	53	24
Bakeries	39	157	126	31	12	6	1	1	9	2	63	52	21
Candy manufacturing	11	103	77	26	10	2	1	11	2		42	21	7
Wood products	8	44	37	7	2	4		1			10	7	3
Printing	10	83	68	15	2			10	3		24	10	14
Paper boxes	4	79	59	20	6			9	5		34	19	15
Not otherwise classified	8	156	113	43	9	4	6	20	4		87	42	45
Subtotal	200	4,547	3,897	650	266	57	20	168	130	9	1,197	803	394
MERCANTILE:													
General merchandise	20	366	293	73	19	4	1	34	15		147	69	78
Department stores	24	1,187	931	256	65	35	15	87	51	3	388	177	211
Notions, 6-10-15c stores	16	165	137	28	11	4		12	1		33	15	20
Variety stores	7	12	12										
Dry goods	48	390	332	58	23	10	3	9	12	1	96	67	29
Ladies ready-to-wear	37	378	282	96	30	14	4	21	24	3	145	76	69
Cloak and suit	5	13	11	2	2	1			1		5	3	2
Clothing, shoes and furnishings	14	100	72	28	6	7	2	11	2		40	18	22
Groceries, dairies, delicatessens	20	194	154	40	6	7		18	8	1	76	47	29

Meat .....	5	21	20	1	3	1	1	2	2	3	3	7
Furniture .....	5	41	24	17	3	1	1	2	2	16	7	9
Paint, oil, etc. ....	5	36	23	13	1	1	1	2	2	9	5	4
Paper .....	4	26	20	8	1	1	1	2	2	12	9	3
Books, stationery, photo sup- plies, etc. ....	12	77	69	8	2	2	2	3	3	12	9	3
Musical .....	16	72	63	8	2	1	1	1	1	11	3	8
Drugs .....	19	201	146	55	13	10	6	17	9	73	42	30
Not otherwise classified	35	275	246	29	3	1	1	20	5	36	11	25
Subtotal .....	296	3,554	2,845	709	133	100	32	244	142	8	1,100	546
<b>PUBLIC HOUSEKEEPING:</b>												
Confectionery stores and bak- eries .....	51	406	344	62	24	18	4	10	6	98	66	32
Restaurants, cafeterias, lunch rooms .....	191	867	715	152	42	32	12	16	46	4	243	185
Hotels and hotel dining rooms.	118	848	646	202	79	43	19	12	48	1	332	258
Boarding and rooming houses.	7	11	10	1	1	1	1	1	1	2	2	74
Subtotal .....	367	2,132	1,715	417	145	94	35	38	100	5	675	511
<b>TELEPHONE AND TELEGRAPH</b>	62	2,016	1,910	106	24	10	1	60	11	168	71	97
<b>LAUNDRIES, CLEANERS AND DYERS:</b>												
Laundries .....	36	695	491	204	88	22	5	23	61	5	387	294
Cleaners and dyers .....	10	100	65	35	20	3	3	5	3	1	44	22
Subtotal .....	46	795	556	239	108	25	8	28	64	6	431	316
<b>OFFICES</b> .....	29	403	328	75	11	5	1	39	20	133	64	69
<b>PERSONAL SERVICE:</b>												
Theaters .....	11	154	141	13	7	1	1	5	1	19	12	7
Hairstressing and beauty shops.	5	24	24	1	1	1	1	1	1	1	1	1
Subtotal .....	16	178	165	13	7	1	1	5	1	19	12	7
Grand total .....	1,016	13,625	11,416	2,209	744	292	96	582	467	28	3,723	2,331
												1,392

① Information for this table covering employees of one department store not included.

**WOMEN IN INDUSTRY—Continued**  
**TABLE VII-C—NUMBER OF DAYS WORKED PER WEEK AND**  
**NUMBER OF HOURS PER DAY**

CHARACTER	Total number of plants	Total number of women	Number of women employed in plants where days worked per week are—		
			Under 6 days	6 days	7 days
<b>MANUFACTURING:</b>					
Woolen and knitting mills .....	8	672	457	215	-----
Garment manufacturing .....	19	592	424	168	-----
Dressmaking and tailoring .....	4	22	14	8	-----
Millinery .....	29	304	2	302	-----
Furriers .....	5	11	-----	11	-----
Hemstitching, buttons, pleating, gloves .....	8	37	21	16	-----
Canvas bags, mattresses and uphol- stering .....	9	180	71	109	-----
Food products, coffee, tea, spices, etc	38	2,107	838	1,055	214
Bakeries .....	39	157	8	140	9
Candy manufacturing .....	11	103	9	94	-----
Wood products .....	8	44	21	23	-----
Printing .....	10	83	32	51	-----
Paper boxes .....	4	79	10	69	-----
Not otherwise classified .....	8	156	6	150	-----
Subtotal .....	200	4,547	1,913	2,411	223
<b>MERCANTILE:</b>					
General merchandise .....	20	366	-----	366	-----
Department stores .....	25	2,152	51	2,101	-----
Notions, 5-10-15c stores .....	16	165	18	147	-----
Variety stores .....	7	12	2	10	-----
Dry goods .....	48	390	48	342	-----
Ladies' ready to wear .....	37	378	30	348	-----
Cloak and suit .....	5	13	1	12	-----
Clothing, shoes and furnishings .....	14	100	-----	100	-----
Groceries, dairies, delicatessens .....	20	194	85	109	-----
Meat .....	5	21	-----	21	-----
Furniture .....	9	41	-----	41	-----
Paint, oil, etc. ....	5	36	17	19	-----
Paper .....	4	26	-----	26	-----
Books, stationery, photo supplies, etc.	12	77	10	67	-----
Music .....	16	72	-----	72	-----
Drugs .....	19	201	65	121	15
Not otherwise classified .....	35	275	69	206	-----
Subtotal .....	297	4,519	396	4,108	15
<b>PUBLIC HOUSEKEEPING:</b>					
Confectionery stores and bakeries .....	51	406	8	363	35
Restaurants, cafeterias and lunch rooms .....	191	867	46	661	160
Hotels and hotel dining rooms .....	118	848	52	456	340
Boarding and rooming houses .....	7	11	-----	-----	11
Subtotal .....	367	2,132	106	1,480	546
<b>TELEPHONE AND TELEGRAPH.....</b>	62	2,016	81	1,934	1
<b>LAUNDRIES, CLEANERS AND</b>					
<b>DYERS:</b>					
Laundries .....	36	695	292	403	-----
Cleaners and dyers .....	10	100	-----	98	2
Subtotal .....	46	795	292	501	2
<b>OFFICES .....</b>	29	403	160	242	1
<b>PERSONAL SERVICE:</b>					
Theaters .....	11	154	34	97	23
Hairdressing and beauty shops .....	5	24	-----	24	-----
Subtotal .....	16	178	34	121	23
Grand total .....	1,017	14,590	2,982	10,797	811

**CLASSIFICATION OF LABOR ORGANIZATIONS****1. BUILDING:**

Asbestos Workers.  
Brick Masons.  
Bridge and Structural Iron  
Workers.  
Building Laborers.  
Carpenters.  
Electrical Workers.  
Elevator Constructors.  
Glaziers.  
Hoisting and Portable Engi-  
neers.  
Lathers.  
Painters and Paper Hangers.  
Pile Drivers.  
Plasterers.  
Plumbers.  
Sheet Metal Workers.  
Steamfitters.

**2. TRANSPORTATION:**

Bakery Drivers and Sales-  
men.  
Caulkers.  
Garbage Wagon Drivers.  
Grain Handlers.  
Locomotive Engineers.  
Locomotive Firemen and En-  
ginemen.  
Longshoremen.  
Maintenance of Way.  
Railway Carmen.  
Railway Clerks.  
Railway Telegraphers.  
Sailors.  
Shipwrights.  
Street Carmen.  
Switchmen.  
Team and Auto Truck Driv-  
ers.

**3. METAL AND MACHINERY:**

Auto Mechanics.  
Blacksmiths.  
Boilermakers.  
Machinists.  
Molders.  
Pattern Makers.

**4. CLOTHING AND TEXTILE:**

Boot and Shoe Workers.  
Carpet Mechanics.

Garment Workers.  
Glove Workers.  
Journeyman Tailors.  
Laundry Workers.

**5. PRINTING AND BOOK BIND-  
ING:**

Bookbinders.  
Mailers.  
Photo Engravers.  
Pressmen.  
Printers.  
Stereotypers and Electro-  
typers.

**6. FOOD PRODUCTS AND BEV-  
ERAGES:**

Bakery and Confectionery.  
Cooks.  
Culinary Workers.  
Fishermen.  
Meat Cutters.  
Soft Drink Dispensers.  
Waiters and Waitresses.

**7. MUSIC AND THEATERS:**

Musicians.  
Piano and Organ Workers.  
Stage Employes.

**8. WOODWORKING:**

Millmen.  
Timberworkers.  
Upholsterers.  
Wood Sawyers.

**9. FEDERAL:**

Civil Service Employes.  
Federal Employes.  
Letter Carriers.  
Postal Employes.

**10. MISCELLANEOUS:**

Barbers.  
Bill Posters.  
Cigar Makers.  
Federal Labor Union.  
Fire Fighters.  
Janitor and Elevator Oper-  
ators.  
Jewelry Workers.  
Retail Clerks.  
School Teachers.  
Sign and Pictorial Painters.  
Stationary Engineers.

TABLE VIII—TRADES UNION STATISTICS

OFFICIAL NAME—ADDRESS	Year organized	MEMBERSHIP 1920-1921			Maximum Membership Fee	Maximum Monthly Dues	BENEFITS
		Males	Females	Total			Death
BUILDING							
ASBESTOS—Int. Assn. Heat and Frost Insulators and Asbestos Workers: No. 36, Portland.....		40		40	\$ 75.00	\$ 1.00	
BRICKS—Bricklayers, Masons & Plasterers International Union of America:							
No. 1, Portland .....	1893	142		142	25.00	3.00	\$175-400
No. 3, Bend .....	1915				25.00	2.00	400
No. 5, Salem .....		22		22	25.00	1.50	① 300
No. 7, Astoria .....	1917	15		15	25.00	1.50	② 300
CARPENTERS—United Brotherhood of Carpenters and Joiners of America:							
No. 190, Klamath Falls .....	1906				15.00	1.00	100-300
No. 226, Portland .....	1916	1050		1050	35.00	2.00	50-300
No. 536, Baker .....		40		40	20.00	1.25	100-300
No. 583, Portland .....		157		157	35.00	2.00	50-300
No. 780, Astoria .....		244		244	20.00	1.75	50-300
No. 1065, Salem .....	1902	110		110	15.00	1.00	50-300
No. 1106, Portland .....	1913	140		140	35.00	1.50	50-300
No. 1388, Oregon City .....	1917	40		40	35.00	1.75	50-300
No. 1776, Pendleton .....	1914	120		120	25.00	2.00	200-500
No. 1838, St. Helens .....		21		21	30.00	1.00	100-300
No. 1840, Medford .....		18		18	10.00	.75	③ 100-300
No. 2181, Corvallis .....	1919	48		48	10.00	1.00	50-400
No. 2543, Portland .....	1905	19		19	15.00	2.12	84
ELECTRICAL—Int. Brotherhood of Electrical Workers....							
No. 48, Portland .....		300		300		3.00	1000
No. 125, Portland .....	1900	650		650	25.00	2.00	300-1000
No. 517, Astoria .....	1906	30		30	25.00	2.50	375-1000
ELEVATORS—Inter. Union of Elevator Constructors: No. 23, Portland .....	1908	30		30	100.00	1.35	
ENGINE—Hoisting and Portable Engineers: No. 701, Portland....	1886	194		194	50.00	3.00	100
GLAZING—Painters, Decorators and Paper Hangers of America: No. 740, Portland .....	1911	56		56	25.00	1.50	
HOD—Int. Hodcarriers, Building and Common Laborers of N. A.:							
No. 296, Portland .....	1903	700		700	15.00	1.00	100
No. 285, Astoria .....	1919	110		110	5.00	1.00	50-100
No. 425, Corvallis .....	1921	10		10	3.00	1.00	50
IRON—Bridge and Structural Iron Workers: No. 29, Portland.....	1901	137		137	25.00	3.00	150-400
LATH—Wood, Wire and Metal Lathers: No. 54, Portland.....	1900	35		35	25.00	2.00	50-150
PAINT—Painters, Decorators and Paper Hangers of America:							
No. 724, Salem .....	1910	32		32	15.00	1.50	50-300
No. 10, Portland .....	1899	500		500	25.00	2.00	50-400
No. 228, Pendleton .....	1914	22		22	25.00	2.00	75-500
No. 628, Bend .....	1916	13		13	25.00	1.35	
No. 684, Astoria .....		28		28	35.00	2.00	50-350
No. 1008, Baker .....	1899	14		14	20.00	1.00	④ 300
No. 1128, Corvallis .....	1921	18		18	15.00	1.25	300

References on pages 50 and 51.

TABLE VIII—TRADES UNION STATISTICS—Continued

BENEFITS								Hours Work Day	Maximum Daily Wage	Average No. Days Worked		Percentage of Members Married	Percentage of Home Owners	Percentage of Voters
Sick		Accident		Strike		Out of Work				1920	1921			
Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks							
\$ -----		\$ -----		\$ -----		\$ -----		8	\$ 8.00	140	140	90	80	100
				7.00				8	9.00	90	90	80	65	100
		10.00	10					8	9.00	150	160	95	75	100
								8	9.00	156	130	75	50	100
								8	9.00	190	165	100	85	70
								8	8.00	208	208	75	75	75
		6.00	10					8	7.20	150	165	70	40	80
5.00								8	7.00	234	234	100	90	90
7.00	5	6.00	10					8	7.20	180	180	85	75	100
		7.00	5					8	8.00	300	200	90	40	90
								8	7.20	*	*	80	60	90
								8	7.20	200	200	90	60	100
								8	7.20	170	185	80	70	90
								8	8.00	206	164	75	50	90
								8	7.20	260	260	90	80	99
								8	7.00	*	*	90	50	100
4.50	15	7.00		7.00		3.50	15	8	7.20	200	200	90	50	50
								8	7.20	*	*	*	*	*
5.00	9	5.00	9	9.00				8	7.20	312	312	80	40	*
5.00	9			9.00				8	8.00	132	125	96	33	100
								8	8.00	300	300	90	75	100
				7.00				8	8.10	250	200	75	30	100
								9	6.50	300	300	95	75	100
								8	5.40	*	*	60	25	30
								8	7.00	267	200	50	25	75
								8	7.20	*	200	8		10
7.00	12	7.00	12					8	8.10	*	*	60	75	90
								8	7.00	150	170	80	50	100
								8	7.20	156	156	80	25	100
7.00	6	7.00	6					8	7.20	200	200	75	65	85
6.00	10	6.00	10					8	8.00	156	156	67	25	100
7.00								8	7.20	200	116	75	50	90
7.00		7.00						8	8.00	175	175	98	90	100
								8	7.00	250	250	100	50	100
5.00	7							8	6.00	*	160	90	35	100

TABLE VIII—TRADES UNION STATISTICS—Continued

OFFICIAL NAME—ADDRESS	Year Organized	MEMBERSHIP 1920-1921			Maximum Member- ship Fee	Monthly Maximum Dues	BENEFITS  Death
		Males	Females	Total			
<b>PLASTER</b> —Operative Plasterers and Cement Finishers International Union: No. 82, Portland....	1901	100	.....	100	50.00	1.50	250-400
<b>PLUMBING</b> —United Association of Plumbers and Steamfitters:							
No. 51, Portland .....	1893	130	.....	130	40.00	3.50	200
No. 573, Astoria .....	1916	32	.....	32	50.00	2.00	100-300
No. 634, Pendleton .....	1914	10	.....	10	35.00	2.00	50-500
No. 235, Portland .....	1889	110	.....	110	40.00	2.00	100
No. 642, La Grande .....	1919	17	.....	17	10.00	2.00	100
<b>PILE</b> —Piledrivers, Bridge, Dock and Wharf Workers: No. 2416, Portland .....	1920	269	.....	269	35.00	2.00	50-300
<b>SHEETMETAL</b> —Amalgamated Sheet Metal Workers' International Alliance: No. 16, Portland .....	1888	228	.....	228	25.00	3.00	100-300
<b>TRANSPORTATION</b>							
<b>CARMEN</b> —Brotherhood of Railway Carmen of America:							
No. 1003, La Grande .....	1918	50	.....	50	10.00	2.00	50-250
No. 268, Portland .....	1910	830	.....	830	15.00	1.75	50-250
<b>CLERKS</b> —Brotherhood of Railway Clerks:							
No. 949, Roseburg .....	1919	33	2	35	5.00	2.00	100-1500
No. 489, Huntington .....	1918	23	3	26	5.00	1.85	.....
No. 1262, Portland .....	1920	244	38	282	5.00	2.00	100-1500
<b>DRIVING</b> —							
Bakery Drivers and Salesmen:							
No. 449, Portland .....	1919	110	.....	110	10.00	1.50	⑤ .....
Garbage Wagon Drivers:							
No. 220, Portland .....	1920	56	.....	56	10.00	1.00	.....
Team, Auto-truck and Delivery Drivers: No. 162, Portland .....	1900	450	.....	450	5.00	1.50	75
<b>ENGINE</b> —							
Grand International Brotherhood of Locomotive Engineers: No. 362, La Grande .....	1884	135	.....	135	5.00	.67	.....
Brotherhood of Locomotive Firemen and Enginemen:							
No. 348, La Grande .....	1887	192	.....	192	4.00	2.00	⑥ 500-4500
No. 542, Roseburg .....	1873	200	.....	200	4.00	2.20	⑥ 500-4500
<b>FREIGHT</b> —Brotherhood of Freight Handlers and Express Employees: No. 486, The Dalles .....	1917	20	14	34	5.00	2.00	.....
<b>GRAIN</b> —Grainhandlers and Warehouse Employees: No. 38-4, Portland .....	1901	50	.....	50	2.50	.50	.....
<b>LABORERS</b> —United Brotherhood Maintenance of Way Employees and Ry. Shop Laborers: No. 1032, Portland .....	1918	1400	.....	1400	3.00	1.00	50-300
<b>LONGSHORE</b> —Inter. Longshoremen's Assn.: No. 38-6, Portland..	1901	500	.....	500	25.00	1.50	150
<b>SAILORS</b> —Sailors Union of the Pacific: Portland .....	1885	150	.....	150	5.00	1.00	⑦ 85
<b>SHIPCALKING</b> —Ship Calkers Union: No. 2218, Portland .....	1897	123	.....	123	30.00	1.50	300

References on pages 52 and 53.

TABLE VIII—TRADES UNION STATISTICS—Continued

BENEFITS								Hours Work Day	Maximum Daily Wage	Average No. Days Worked		Percentage of Members Married	Percentage of Home Owners	Percentage of
Sick		Accident		Strike		Out of Work				1920	1921			
Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks							
.....	.....	.....	.....	.....	.....	.....	.....	8	9.00	200	200	90	50	90
5.00	13	.....	.....	.....	.....	.....	.....	8	8.50	182	161	70	70	100
5.00	13	5.00	13	8.00	13	.....	.....	8	9.00	243	243	90	40	100
7.00	.....	7.00	.....	.....	.....	.....	.....	8	9.00	275	250	75	.....	100
5.00	.....	5.00	.....	5.00	.....	.....	.....	8	8.50	160	170	60	20	90
.....	.....	.....	.....	.....	.....	.....	.....	8	6.16	365	312	99	60	99
7.00	7	7.00	7	.....	.....	.....	.....	8	7.20	156	83	40	30	90
7.00	12	7.00	12	5.00	.....	.....	.....	8	7.20	235	235	75	35	60
.....	.....	.....	.....	.....	.....	.....	.....	8	7.20	250	200	100	80	100
.....	.....	.....	.....	8.00	.....	.....	.....	8	5.44	220	175	80	85	100
.....	.....	.....	.....	6.00	.....	.....	.....	8	3.25	345	312	75	25	90
.....	.....	.....	.....	6.00	.....	.....	.....	8	3.37	365	365	70	1	80
.....	.....	.....	.....	6.00	.....	.....	.....	8	4.25	306	306	75	50	95
7.00	13	7.00	13	10.00	.....	.....	.....	9	5.42	300	300	80	10	90
.....	.....	.....	.....	.....	.....	.....	.....	*	.....	312	312	100	80	60
.....	.....	.....	.....	10.00	.....	.....	.....	8	5.00	200	150	65	15	85
.....	.....	.....	.....	.....	.....	.....	.....	8	*	*	*	90	85	100
19.00	.....	.....	.....	.....	.....	.....	.....	8	6.15	*	*	75	25	100
.....	.....	30.00	104	14.00	.....	.....	.....	8	5.15	365	300	67	33	100
.....	.....	.....	.....	7.00	.....	.....	.....	8	3.27	306	306	50	5	90
.....	.....	.....	.....	.....	.....	.....	.....	8	5.00	*	*	*	*	*
.....	.....	.....	.....	.....	.....	.....	.....	8	3.20	300	300	60	15	75
.....	.....	.....	.....	.....	.....	.....	.....	8	*	*	*	67	67	100
1.00	.....	.....	.....	5.00	.....	.....	.....	8	3.00	250	150	30	20	60
.....	.....	.....	.....	.....	.....	.....	.....	8	7.70	200	180	80	20	100

TABLE VIII—TRADES UNION STATISTICS—Continued

OFFICIAL NAME—ADDRESS	Year Organized	MEMBERSHIP 1920-1921			Maximum Member- ship Fee	Maximum Monthly Dues	BENEFITS	
		Males	Females	Total			Death	
SHIPWRIGHTS—Shipwrights, Joiners and Boat Builders: No. 1020, Portland.....	1907	341	.....	341	35.00	1.50	125-375	
STREETCARS—Amal. Assn. of Street and Electric Ry. Em- ployes of America: No. 757, Portland .....	1917	1682	5	1687	2.50	1.50	Ⓐ	800
No. 889, Salem .....	1919	31	.....	31	3.75	1.25	Ⓐ	800
SWITCH—Switchmen's Union of North America: No. 87, Portland	1906	65	.....	65	1.00	3.50	375-1500	
TELEGRAPH—Order of Railroad Telegraphers: No. 161, Portland	1914	303	.....	303	10.00	1.67	.....	
METALS AND MACHINERY								
BOILERS—Boilermakers and Iron Shipbuilders and Helpers: No. 72, Portland .....	1893	1505	.....	1505	15.00	2.00	Ⓐ	300
No. 553, La Grande .....	1918	132	.....	132	10.00	2.50	.....	
BLACKSMITHS—Blacksmiths, Drop Forgers and Helpers: No. 37, Portland .....	1901	74	.....	74	10.00	1.75	300	
MACHINISTS— Auto Mechanics: No. 1333, Portland .....	1919	708	.....	708	15.00	2.25	Ⓐ	.....
Inter. Association of Machinists: No. 734, Portland .....	1918	471	.....	471	10.00	2.00	Ⓐ	.....
No. 1233, La Grande .....	1918	175	.....	175	15.00	2.50	Ⓐ	.....
No. 63, Portland .....	1889	900	.....	900	15.00	2.00	Ⓐ	.....
MOLDERS—Int. Molders' Union: No. 139, Portland .....	1882	300	.....	300	5.00	2.50	100-200	
PATTERNS—Patternmakers' League of N. A.: Portland.....	1901	48	.....	48	25.00	2.50	500	
CLOTHING AND TEXTILE								
CARPET—Carpet Mechanics' As- sociation: No. 2, Portland.....	.....	20	.....	20	15.00	1.50	.....	
GARMENTS—United Garment Workers of America: No. 228, Portland .....	1903	21	240	261	5.00	1.20	300	
GLOVES—Inter. Glovemakers: No. 48, Portland .....	1917	5	4	9	1.00	.50	.....	
LAUNDRY—Laundry Workers' Inter. Union: No. 70, Portland..	1919	14	31	45	15.00	.75	.....	
SHOES—Boot & Shoe Workers' Union: No. 166, Portland.....	.....	56	.....	56	1.00	.25	100	
TAILORS—Journeyman Tailors' Union of America: No. 74, Portland .....	1889	185	65	250	2.50	1.25	100	
PRINTING AND BOOK- BINDING								
BINDING—Inter. Brotherhood of Bookbinders: No. 90-113, Port- land .....	1900	43	104	147	10.00	2.40	100-500	

References on pages 50 and 51.

TABLE VIII—TRADES UNION STATISTICS—Continued

BENEFITS								Hours Work Day	Maximum Daily Wage	Average No. Days Worked		Percentage of Members Married	Percentage of Home Owners	Percentage of Voters
Sick		Accident		Strike		Out of Work				1920	1921			
Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks							
.....	.....	.....	.....	.....	.....	.....	.....	8	7.52	200	175	95	80	95
.....	.....	.....	.....	7.00	.....	.....	.....	8	3.20	300	300	75	60	90
.....	.....	.....	.....	.....	.....	.....	.....	8	4.23	330	330	99	85	90
.....	.....	.....	.....	10.00	.....	.....	.....	8	5.84	320	330	100	40	100
.....	.....	.....	.....	10.00	.....	.....	.....	8	4.74	*.....	*.....	75	25	67
.....	.....	.....	.....	10.00	.....	.....	.....	8	6.40	240	180	80	20	100
.....	.....	.....	.....	.....	.....	.....	.....	8	6.24	350	300	90	50	90
.....	.....	.....	.....	7.00	.....	.....	.....	8	5.28	208	208	67	50	75
.....	.....	.....	.....	12.00	.....	.....	.....	8	8.00	230	230	60	10	90
.....	.....	.....	.....	12.00	.....	.....	.....	8	6.80	300	300	75	50	75
.....	.....	.....	.....	8.00	.....	.....	.....	8	6.80	300	200	75	70	95
.....	.....	.....	.....	12.00	.....	.....	.....	8	7.04	204	204	90	75	75
7.60	13	7.60	13	9.60	.....	.60	.....	8	6.40	300	175	60	40	90
6.00	13	.....	.....	8.00	.....	2.50	13	8	9.00	*.....	*.....	95	50	100
.....	.....	.....	.....	.....	.....	.....	.....	8	8.00	*.....	*.....	80	75	100
3.00	8	.....	.....	.....	.....	.....	.....	8	⑩.....	312	312	20	5	*90
.....	.....	.....	.....	.....	.....	.....	.....	8	⑪.....	*.....	*.....	*.....	*.....	*.....
7.00	.....	.....	.....	.....	.....	.....	.....	8	⑫.....	310	310	75	5	100
5.00	13	.....	.....	.....	.....	.....	.....	8	*.....	*.....	*.....	*.....	*.....	*.....
5.00	10	.....	.....	.....	.....	.....	.....	8	6.67	*.....	200	80	33	60
.....	.....	.....	.....	15.00	8	.....	.....	8	⑬.....	300	275	75	33	80

TABLE VIII—TRADES UNION STATISTICS—Continued

OFFICIAL NAME—ADDRESS	Year Organized	MEMBERSHIP 1920-1921			Maximum Member- ship Fee	Maximum Monthly Dues	BENEFITS  Death
		Males	Females	Total			
<b>MAILING</b> —Portland Mailers' Union: No. 13, Portland.....	1907	37	.....	37	20.00	①.....	75-500
<b>PHOTO-ENGRAVING</b> —Inter. Photo-Engravers' Union: No. 31, Portland.....	1902	43	.....	43	50.00	2.00 ②	100
<b>PRESS</b> —							
Inter. Printing Pressmen and Assistants' Union:							
No. 43, Portland.....	1891	142	12	154	5.00	3.90	50-600
No. 247, Salem.....	1910	26	2	28	10.00	2.50	50-600
Web Pressmen's Union: No. 17, Portland.....	1890	65	.....	65	15.00	4.00	100-600
<b>STEREOTYPING</b> —Stereotypers and Electrotypers: No. 48, Portland.....	1900	32	.....	32	10.00	1.75	100
<b>TYPOGRAPHICAL</b> —							
Capital Typographical Union:							
No. 210, Salem.....	1888	42	.....	42	7.00 ③	.....	75-500
Baker Typographical Union:							
No. 683, Baker.....	1911	11	.....	11	10.00 ④	.....	75-500
Corvallis Typographical Union:							
No. 732, Corvallis.....	1920	23	1	24	5.00 ⑤	.....	75-500
Eugene Typographical Union:							
No. 496, Eugene.....	.....	24	1	25	5.00 ⑥	.....	75-500
Multnomah Typographical Union:							
No. 58, Portland.....	1883	466	3	469	22.50 ⑦	.....	75-500
Pendleton Typographical Union:							
No. 214, Pendleton.....	1898	12	.....	12	8.00 ⑧	.....	75-500
<b>FOOD PRODUCTS AND BEVERAGES</b>							
<b>BEVERAGES</b> —							
Brewery and Soft Drink Workers: No. 320, Portland.....	1903	165	.....	165	10.00	1.00	.....
Soft Drink Dispensers: No. 496, Portland.....	1919	150	.....	150	15.00	1.75	100
<b>CULINARY</b> —							
Bakers and Confectionery Workers: No. 114, Portland.....	.....	300	.....	300	5.00	2.50	.....
Cooks and Assistants Union:							
No. 207, Portland.....	1917	750	150	900	15.00	1.75	100
Culinary Alliance: No. 311, Astoria.....	1916	90	85	175	10.00	2.00	50
Culinary Alliance and Beverage Dispensers: No. 424, Klamath Falls.....	1919	132	.....	132	7.50	2.00	50
Culinary Workers: No. 364, Pendleton.....	1919	31	15	46	5.00	1.00	.....
Waiters' Union: No. 189, Portland.....	1901	209	.....	209	6.00	1.50	100
Waitresses and Cafeteria Workers: No. 305, Portland.....	1921	.....	392	392	4.00	1.25	100
<b>FISH</b> —Alaska Fishermen's Union: Astoria.....	1902	220	.....	220	10.00	.83	100
<b>MEAT</b> —Amalgamated Meat Cutters & Butcher Workmen:							
No. 379, La Grande.....	1919	20	.....	20	5.00	1.00	100
No. 656, Portland.....	1918	70	.....	70	10.00	1.75	200
No. 143, Portland.....	.....	150	.....	150	25.00	1.75	100-200

References on pages 52 and 53.

TABLE VIII—TRADES UNION STATISTICS—Continued

BENEFITS								Hours Work Day	Maximum Daily Wage	Average No. Days Worked		Percentage of Members Married	Percentage of Home Owners	Percentage of Voters
Sick		Accident		Strike		Out of Work				1920	1921			
Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks							
.....	.....	.....	.....	10.00	.....	.....	.....	8	6.00	312	312	50	17	95
.....	.....	.....	.....	10.00	.....	.....	.....	8	8.33	312	312	75	33	100
.....	.....	.....	.....	14.00	.....	.....	.....	8	8.50	307	291	75	25	75
.....	.....	.....	.....	11.00	.....	.....	.....	8	*	*	*	80	50	100
.....	.....	.....	.....	7.50	.....	.....	.....	8	6.50	310	310	85	23	25
.....	.....	.....	.....	10.00	.....	.....	.....	8	8.32	312	312	80	50	100
.....	.....	.....	.....	.....	.....	.....	.....	7½	7.00	312	312	95	90	95
.....	.....	.....	.....	10.00	.....	.....	.....	7½	7.27	280	280	75	25	87
.....	.....	.....	.....	.....	.....	.....	.....	8	5.50	300	300	67	50	67
.....	.....	.....	.....	.....	.....	.....	.....	8	5.75	312	312	85	60	100
5.00	.....	.....	.....	17.00	.....	.....	.....	7½	8.00	312	312	80	*....	80
.....	.....	.....	.....	.....	.....	.....	.....	8	6.75	312	312	90	50	95
.....	.....	.....	.....	.....	.....	.....	.....	8	5.50	310	200	98	35	100
10.00	8	.....	.....	15.00	8	.....	.....	8	5.00	312	312	20	3	100
.....	.....	.....	.....	.....	.....	.....	.....	8	7.00	*.....	*.....	80	60	75
10.00	7	.....	.....	15.00	.....	.....	.....	8	4.00	300	300	75	40	90
7.00	.....	.....	.....	.....	.....	.....	.....	8	.....	365	365	50	.....	50
.....	.....	.....	.....	.....	.....	.....	.....	8	3.70	312	312	35	5	80
.....	.....	.....	.....	.....	.....	.....	.....	9	.....	*.....	*.....	67	*....	67
7.00	4	.....	.....	.....	.....	.....	.....	8	3.00	300	300	35	25	75
7.00	5	.....	.....	.....	.....	.....	.....	8	2.67	312	312	75	25	100
2.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	120	120	33	25	50
10.00	26	.....	.....	.....	.....	.....	.....	9	5.83	305	305	50	25	50
10.00	6	10.00	6	.....	.....	.....	.....	8	5.00	312	312	65	50	95
.....	.....	.....	.....	.....	.....	.....	.....	9	6.33	310	290	50	20	96

TABLE VIII—TRADES UNION STATISTICS—Continued

OFFICIAL NAME—ADDRESS	Year Organized	MEMBERSHIP 1920-1921			Maximum Member- ship Fee	Maximum Monthly Dues	BENEFITS
		Males	Females	Total			Death
MUSIC AND THEATRES							
MUSIC—							
Klamath Falls Musicians: No. 779, Klamath Falls.....	1920	15	3	18	15.00	.50	.....
Musicians' Mutual Association: No. 99, Portland.....	1899	810	90	900	25.00	.83	250
Musicians' Protective Assn: No. 736, La Grande.....	1919	70	.....	70	5.00	1.25	.....
Musicians' Protective Assn: No. 315, Salem.....	1911	55	.....	55	10.00	.33	50
Musicians' Protective Assn: No. 273, Pendleton.....	1920	54	9	63	10.00	.50	.....
Piano, Organ and Musical In- strument Workers Union: No. 21, Portland.....	1920	35	.....	35	10.00	1.25	50
THEATRES—							
Stage Employees Union: No. 159, Portland .....	1908	70	.....	70	100.00	2.00	.....
Stage Employes: No. 28, Port- land .....	1895	58	.....	58	100.00	④.....	100
WOODWORKING AND FURNITURE							
MILL—Millmens' Union: No. 1120, Portland .....	.....	150	.....	150	15.00	1.25	.....
TIMBER—Timberworkers Union: No. 188, Klamath Falls.....	1920	100	.....	100	3.00	1.00	.....
UPHOLSTERING—Upholsters Union: No. 65, Portland.....	1912	53	12	65	10.00	1.50	.....
WOODSAWING—Woodsawers Union: No. 1, Portland.....	1917	40	.....	40	5.00	1.50	.....
FEDERAL							
CIVIL SERVICE—Civil Service Employees Assn: No. 14636, Portland .....	.....	.....	.....	.....	2.00	.75	.....
FEDERAL—Federal Employees Union: No. 7, Portland.....	1914	225	75	300	1.00	.50	.....
POSTAL—							
National Federation of Postal Employees: No. 128, Portland..	1917	93	32	125	.....	.35	.....
Multnomah Branch Letter Car- riers: No. 82, Portland.....	1903	224	.....	224	.....	.50	.....
MISCELLANEOUS							
BARBERS—Barbers Union:							
No. 717, La Grande .....	1912	15	.....	15	8.00	1.50	75-500
No. 902, Roseburg .....	1921	17	.....	17	5.00	1.25	75-500
No. 754, Pendleton .....	1917	25	.....	25	10.00	1.25	75-500
No. 167, Astoria .....	1900	36	.....	36	15.00	1.50	75-500
No. 730, Bend .....	1917	17	.....	17	10.00	1.25	75-500
No. 841, Klamath Falls .....	1919	22	.....	22	5.00	1.50	75-500
No. 75, Portland .....	1888	325	.....	325	15.00	1.50	75-500
No. 629, Salem .....	1911	60	.....	60	10.00	1.25	75-500
BILLPOSTERS—Billposters							
Union: No. 57, Portland .....	1912	21	.....	21	100.00	⑤.....	100

References on pages 52 and 53.

TABLE VIII—TRADES UNION STATISTICS—Continued

BENEFITS								Hours Work Day	Maximum Daily Wage	Average No. Days Worked		Percentage of Members Married	Percentage of Home Owners	Percentage of Voters
Sick		Accident		Strike		Out of Work				1920	1921			
Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks							
								*	16.00	*	*	50	25	100
								6	8.33	*	*	50	60	50
								*	*	*	*	90	30	90
								*	7.00	*	*	*	*	*
								*	*	*	*	65	8	90
5.00	10	10.00	16					8	6.15	307	307	90	50	95
								6	7.50	312	312	75	50	100
								8	7.91	365	365	85	50	100
								8	5.20	300	300	75	50	75
								8	3.50	*	*	*	*	*
								8	3.00	*	*	80	10	90
								8	4.00	165	165	100	50	100
								8	4.60	312	312	*	*	*
								8	2.40	300	300	75	50	100
								8	4.66	300	300	70	50	100
10.00	26							8	5.00	300	300	85	85	100
18.00	16							9	4.17	307	307	95	85	100
8.00	16							9	5.00	312	312	95	50	100
5.00	16							9	*	312	312	50	10	100
16.00	16							8 1/2	5.00	312	312	67	5	99
7.00	14	7.00	14					10	4.17	312	312	41	1	100
5.00	8							9	6.67	312	312	50	50	75
13.00	16	13.00	16	7.00				9	4.17	300	300	60	35	90
13.00	16							9	3.50	300	300	90	40	100
								8	6.67	288	288	40	20	100

TABLE VIII—TRADES UNION STATISTICS—Continued

OFFICIAL NAME—ADDRESS	Year Organized	MEMBERSHIP 1920-1921			Maximum Member- ship Fee	Maximum Monthly Dues	BENEFITS
		Males	Females	Total			Death
<b>CIGARMAKERS—Cigarmakers</b>							
Union:							
No. 425, Astoria .....	1899	14	.....	14	3.00	2.50	50-550
No. 202, Portland .....	1889	110	.....	110	3.00	.60	50-550
<b>CLERKS—Retail Clerks: Portland</b>		250	125	375	3.00	1.00	200-500
<b>ENGINEERS—Steam Engineers:</b>							
No. 87, Portland.....	1901	340	.....	340	10.00	2.00	.....
<b>FEDERAL—Federal Union:</b>							
No. 17516, Hood River.....	1921	200	.....	200	5.00	1.00	.....
<b>FIREFIGHTERS—No. 43, Portland</b>	1918	380	.....	380	5.00	.75	.....
<b>JANITORS—Janitors and Elevator Operators: No. 49, Portland</b>	1922	18	.....	18	.....	.....	.....
<b>JEWELRY—Jewelry Workers:</b>							
No. 41, Portland.....	1919	137	.....	137	15.00	1.00	75
<b>TEACHERS—High School Teachers: No. 111, Portland.....</b>	1919	24	22	46	1.00	.75	.....
<b>SIGN PAINTERS—Sign and Pictorial Painters: No. 428, Portland .....</b>	1908	70	1	71	50.00	2.50	200

\* Information not given.

- ① Also pension.
- ② After five years good standing.
- ③ Death of wife \$75.
- ④ After seven years good standing.
- ⑤ Assessment \$1 per member.
- ⑥ Insurance covering accident, strike and sick benefits.
- ⑦ Shipwreck benefit \$75.
- ⑧ Also old age pension.
- ⑨ Disability \$200 to \$800.
- ⑩ Death benefit \$50 first year to \$300 seventh year. Insurance carried by casualty company at 50c a month for each \$500 up to a limit of \$2,000 without physical examination for members between 21 and 60.
- ⑪ Two per cent of earnings with \$1 rebate.

TABLE VIII—TRADES UNION STATISTICS—Continued

BENEFITS								Hours Work Day	Maximum Daily Wage	Average No. Days Worked		Percentage of Members Married	Percentage of Home Owners	Percentage of Voters
Sick		Accident		Strike		Out of Work				1920	1921			
Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks	Per Week	No. Weeks							
7.00	8	7.00	8					8	*	286	286	75	35	100
7.00	10			7.00	13			8	*	290	260	75	30	95
5.00								8	②	306	306	45	*	*
5.00	13							8	6.25	270	270	85	35	100
								8	4.00	312	312	60	40	90
								10	5.17	365	365	60	35	100
								*	*	*	*	*	*	*
								8	6.00	300	300	75	50	100
								6	②	200	200	25	20	100
6.50	4							8	10.00	27	27	80	40	95

② Also tubercular benefits.

③ Percentage of earnings and local dues.

④ Percentage of earnings plus \$1.50.

⑤ Percentage of earnings plus \$1.

⑥ From \$16 to \$38.50 a week.

⑦ From \$3.50 to \$6 a day.

⑧ From \$16 to \$25 a week.

⑨ From \$4 to \$7.57 a day.

⑩ From \$16 to \$29 a week.

⑪ From \$3 to \$6 a day.

⑫ Paid by the run and piece.

⑬ From \$2.50 to \$6 a day.

⑭ From \$15 to \$18 a week.

⑮ From \$1,400 to \$2,200 a year.

TABLE IX—STRIKES AND LOCKOUTS

Name of union	Location	Membership	Date Strike or lockout Began	No. members involved	Cause of strike or lockout	Duration—No. of days	Approximate loss in wages	How settled
Longshoremen No. 6 Pile-drivers, Bridge and Wharf Workers No. 2416	Portland..... Portland.....	..... 230	April 23, 1922	475	Open shop (strike) .....	57	\$150,000	Securing neutral hiring hall.†
Sheet Metal Workers No. 16 Tailors No. 74	Portland..... Portland.....	188 185	1921 1920	35	Dispute regarding over- time (strike) .....	1½	378	Union demands granted.
Electrical Workers No. 48 Painters, Decorators and Paper hangers No. 10	Portland..... Portland.....	225 550	1921 1921	85 150	Decrease in wages (strike) Establishment of 8-hour day (strike) .....	36	16,524	Compromise.
				225	Misunderstanding (lock- out) .....	30	3,000	Compromise.
				550	Reduction in wages (strike) .....	7	11,000	Adjustment.
Sailors' Union.....	Portland.....	150	May 1921	150	Reduction wages, increase in working hours (strike) .....	7	27,720	Arbitration.
Cooks and Assistants No. 207...	Portland.....	500	1921	15	Establishment of 8-hour day (strike) .....	90	39,400	Union demands granted.
Culinary Workers No. 424	Klamath Falls.....	54	1921	50	Wages (strike) .....	6	360	Union demands granted.
Culinary Workers No. 424	Klamath Falls.....		1921	15	Misunderstanding .....	104	2,590	Union demands granted.
Federated Shop Crafts: Railway Carmen..... Blacksmiths..... Machinists..... Electrical Workers..... Boilermakers..... Firemen and Oilers..... Sheet Metal Workers.....	Ashland..... Dallas..... Eugene..... Grants Pass..... Huntington..... La Grande..... Portland..... Reith..... Roseburg..... The Dalles..... Umatilla.....	3,216	July 1, 1922	2,805	Farming out of work con- trary to ruling of Rail- way Labor Board, and reduction of wages (strike) .....	52	2,886	Adjustment.
						*	†	Strike still on.

\* Still unsettled. † Estimate as yet impossible. ‡ See account later controversy following this table.

## DIFFICULTY INVOLVING LONGSHOREMEN

The data contained in this report covers until September 30, 1922, only. This fact leaves the reference to the difficulty involving the longshoremen, as represented in the foregoing table, very incomplete. At this writing (November 13, 1922) a dispute is in progress which has caused cessation of work by many workmen resulting in loss of wages and restriction of industry. This bureau has carried on investigations and sets forth the position of both sides to the controversy as follows:

*From the Union Standpoint*—The first trouble occurred April 23, and terminated June 20, 1922. It involved 475 members. The question involved was the open shop and the basis of settlement of this dispute was the establishing of a neutral hiring hall. On October 13, 1922, Local No. 6. Longshoremen, was again involved in a controversy with the employers caused by an order being issued that the water front workers must register at the neutral hiring hall. Upon the union ignoring this order they were locked out. When this order went into effect they had 635 members. A few days later the Grainhandlers' Union amalgamated with Longshoremen No. 6. In all, about 400 grainhandlers joined No. 6. These men also joined the ranks of the strikers. Two hundred men wearing permit buttons, which gave them the privilege of working cargo and other privileges of union men, have also joined the ranks of the strikers, making about 1,200 men now on strike owing allegiance to Longshoremen No. 6, and 275 members of the Marine and Transport Workers, a branch of the I. W. W. Thirty men have broken ranks and gone back to work. (October 31, 1922.)

*From the Employers' Standpoint*—Exception is taken by the employers to the statement that the present difficulty is a lockout. On the longshore workers being asked to register the union voted a strike against the order. In justification of the plan of registration it is shown as being of benefit to the workers—a time-saver. The docks are distributed over a distance of ten miles. It was purposed to have the gang foreman call a crew living in the vicinity of the place the vessel docked in order to save the loss of time required for the workman to visit the hiring hall and return to the dock. That idea, along with the thought of weeding out the I. W. W. element, is what prompted the adoption of the registration card. The record shows as many men employed now as at any time in the past several months. On November 2 registration stopped because of more registration than necessary to meet requirements. At that time the records showed nonunion 222, union 53, experienced new men 493, inexperienced 377, total 1,145. (November 9, 1922.)

## THE 4-L

The Loyal Legion of Loggers and Lumbermen, according to a statement furnished by an officer, dates back to 1916, when the movement was first launched in the East and transplanted to the Pacific Northwest in 1917, where it has since thrived.

In wartime, Colonel B. P. Disque was the chief executive and continued as such until a month after the armistice was signed. In December, 1918, Colonel Disque relinquished active connection with the organization and in the same month peace time reorganization was effected and P. L. Abbey became secretary-manager. Subsequently the board of directors of the 4-L's elected Norman F. Coleman president, and he has continued in that position since.

The field of the 4-L's is now confined to the three northwestern states, Washington, Idaho and Oregon. It is claimed that it differs from a trade union in that it organizes the management with the men, does not make "demands," but submits proposals for discussion, and undertakes to settle difficulties by conference so that there may be no need of a strike or lockout. It is proclaimed that the main purpose of the organization is to develop confidence, understanding and cooperation in the northwest lumber industry between the employees and the management for the good of themselves, the industry and the public.

The officers claim that the 4-L stands for the eight-hour day in the lumber industry and that in no instance has the organization receded from that principle; that they have about 10,000 permanent members, but that in the course of a year, on account of shifting workers, the membership rolls will show from 17,000 to 20,000.

The general dues are 35 cents a month, and the local dues vary from 5 to 15 cents a month. They have no beneficial system, such as sick or death benefits, but it is claimed that in some localities comfortable club-houses, with modern conveniences, are provided the members.

### DIFFICULTIES INVOLVING MEMBERS OF 4-L

Some of the members of eight of the 4-L locals had differences with their employers in the past two years. In some instances these were caused by the employers posting a notice of a reduction in wages, and in others the workers demanded extra pay for overtime and Sundays. In one case demand was made that two of the workers be discharged, and in still another case a discussion was raised over the employment of aliens. The local or plant committee was able to get a conference with the employer in every case and the difference was adjusted to the satisfaction of all concerned.

FOUR-L  
TABLE X—MEMBERSHIP AND GENERAL STATISTICS

Name of organization and address	Year organized	Membership				Monthly dues	Hours when organized	Hours at present	Daily wage	Percentage married	Percentage home owners	Percentage voters	Average days worked during	
		Dec. 31, 1920		Dec. 31, 1921									1920	1921
		Number males	Number females	Total	Number males									
District No. 1:														
Local No. 46, Marshfield	1919	50	.....	50	6	\$1.00	8	8	\$4.00	10	10	50	330	270
Local No. 70, Springfield	1918	350	.....	350	165	1.00	10	8	4.50	90	75	99	276	313
Local No. 80, Wendling	1918	198	2	200	53	1.00	45	8	3.58	50	50	95	.....	.....
Local No. 83, Wendling	1919	80	.....	80	80	1.00	35	8	.....	.....	.....	.....	.....	.....
Local No. 84, Wendling	1919	39	.....	39	.....	1.00	40	8	.....	58	20	90	.....	.....
District No. 2:														
Local No. 4, Brighton	1917	25	.....	25	120	1.00	50	10	6.00	33	5	45	290	220
Local No. 18, Mill City	1919	205	.....	205	205	1.00	35	8	.....	.....	.....	.....	.....	.....
Local No. 19, Mill City	1919	25	.....	25	25	1.00	35	8	.....	.....	.....	.....	.....	.....
Local No. 28, Silvertown	1919	67	.....	67	274	1.00	60	8	.....	60	40	75	.....	.....
District No. 3:														
Local No. 2, Portland	1919	140	.....	140	140	1.00	45	8	3.75	75	50	95	300	300
Local No. 9, Portland	1918	143	6	149	213	1.00	50	10	5.00	65	15	75	.....	.....
Local No. 8, Portland	1918	250	.....	250	285	1.00	60	8	4.00	75	20	90	300	300
Local No. 6, Portland	1919	179	.....	179	213	1.00	45	8	.....	.....	.....	.....	300	300
Local No. 11, Portland	1919	206	.....	206	202	1.00	50	9	4.67	80	35	98	269	152
Local No. 16, Portland	1919	180	.....	180	180	1.00	35	8	.....	.....	.....	.....	.....	.....
Local No. 18, Astoria	1919	230	.....	230	147	1.00	35	8	4.32	35	15	100	276	270
Local No. 100, St. Helens	1918	160	.....	160	155	1.00	35	10	5.00	35	25	30	310	312
Local No. 110, Westport	1920	60	.....	60	165	1.00	50	8	5.00	30	.....	100	300	300
District No. 11:														
Local No. 8, Baker	1917	.....	.....	.....	124	1.00	50	10	.....	80	20	90	.....	.....
Local No. 14, La Grande	1920	50	.....	50	124	1.00	50	8	4.20	90	50	95	.....	.....
Local No. 16, Perry	1919	52	.....	52	52	1.00	35	8	.....	.....	.....	.....	.....	.....
District No. 12:														
Local No. 2, Bend	1919	22	.....	22	22	1.00	35	8	.....	.....	.....	.....	.....	.....
Local No. 3, Bend	1919	35	.....	35	35	1.00	35	8	.....	.....	.....	.....	.....	.....
Local No. 6, Bend	1919	130	3	133	94	1.00	50	8	4.32	50	.....	100	300	300

• Not indicated by secretary's report.



## JAPANESE AND CHINESE POPULATION

As in our last report, we find Japanese and Chinese laborers engaged in section work on railroads, in hopyards, fish canneries and sawmills. A good part of their work is seasonal, and as they change frequently from one place to another, it has proved rather a difficult task to work up our tables without duplications. We are indebted to the county assessors for data secured from them as to the property owned by the Japanese and Chinese; to the Japanese and Chinese consuls for their valuable assistance and to all others who furnished us information contained in these tables.

Japanese and Chinese always have been employed in the fish canneries, but of late years they have been introduced into the lumber industry also. During the year 1920, 28 lumbering firms employed 552 Japanese, 11 Chinese and 119 Hindus. During the year 1921, the same group of firms employed 425 Japanese, 4 Chinese and 61 Hindus.

## JAPANESE AND CHINESE

TABLE XI-A—COMPARATIVE TABLE SHOWING JAPANESE AND VALUE OF PROPERTY OWNED BY THEM IN 1920 AND 1922

	1920		1922	
	Japanese	Chinese	Japanese	Chinese
Number of .....	4,547	3,617	4,614	3,756
Number of lots owned by .....	111	139	285 ½	296
Assessed valuation of lots and improvements .....	\$25,916.00	\$57,372.00	\$174,626.00	\$212,256.00
Number of acres owned by .....	4,702	2,540 ½	4,625	3,950 ½
Assessed valuation of acres and improvements .....	\$142,255.00	\$70,650.00	\$226,454.00	\$210,799.00

## JAPANESE AND CHINESE—Continued

TABLE X-B—JAPANESE POPULATION IN OREGON AND WAGES PAID

	Total number of Japanese	Number of males	Number of females	Number of married couples	Number single over 18 years of age	Number divorced	Children under 18 years of age		
							Total number	Number born in 1920	Number born in 1921
Baker .....	67	43	14	14	29	.....	10	1	9
Benton .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clackamas .....	233	79	60	58	23	.....	94	17	15
Clatsop .....	315	230	35	25	100	.....	50	7	15
Columbia .....	66	58	5	5	.....	.....	3	.....	.....
Coos .....	11	7	2	2	.....	.....	2	.....	1
Crook .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Curry .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Deschutes .....	9	5	1	1	.....	.....	3	1	1
Douglas .....	14	10	2	2	.....	.....	2	.....	.....
Gillham .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grant .....	65	50	6	6	44	.....	9	1	4
Harney .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hood River .....	383	202	85	85	.....	.....	96	.....	.....
Jackson .....	79	20	20	20	.....	.....	39	1	8
Jefferson .....	19	8	3	3	.....	.....	8	.....	.....
Josephine .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Klamath .....	13	7	2	2	.....	.....	4	.....	1
Lake .....	8	4	2	2	2	.....	2	.....	.....
Lane .....	26	22	2	2	.....	.....	2	.....	.....
Lincoln .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Linn .....	12	5	2	2	.....	.....	5	.....	.....
Malheur .....	105	47	21	20	.....	.....	37	11	4
Marion .....	138	62	26	35	18	.....	50	.....	10
Morrow .....	25	25	.....	.....	.....	.....	.....	.....	.....
Multnomah .....	2,565	1,335	597	569	1,996	.....	633	.....	.....
Polk .....	53	23	16	16	8	.....	14	.....	.....
Sherman .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tillamook .....	26	25	1	1	.....	.....	.....	.....	.....
Umatilla .....	36	21	6	6	21	.....	9	.....	2
Union .....	139	127	6	6	.....	.....	6	.....	.....
Wallowa .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wasco .....	83	45	16	16	22	.....	22	.....	.....
Washington .....	106	32	25	25	11	.....	49	5	5
Wheeler .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yamhill .....	18	5	5	5	.....	.....	8	.....	.....
Total .....	4,614	2,497	960	928	2,274	.....	1,157	44	75

## JAPANESE AND CHINESE—Continued

TABLE X-B—JAPANESE POPULATION IN OREGON AND WAGES PAID

Number engaged in—			Number of males working for wages in—			Number of females working for wages in—			Average daily wage		Average yearly income		Average yearly house rental
Commercial pursuits	Agricultural pursuits	Industrial pursuits	Commercial field	Agricultural field	Industrial field	Commercial field	Agricultural field	Industrial field	Males	Females	Males	Females	
16	.....	.....	27	.....	.....	.....	.....	.....	\$3.00	.....	\$1,000	.....	\$700
.....	109	.....	.....	58	.....	.....	30	.....	3.50	\$2.50	1,100	\$ 700	.....
.....	.....	58	.....	230	.....	4	.....	.....	3.25	2.00	800	500	240
.....	.....	.....	.....	.....	.....	.....	.....	.....	3.00	.....	750	.....	300
.....	.....	.....	.....	.....	7	.....	.....	.....	3.75	.....	1,000	.....	200
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	5	.....	.....	5	.....	.....	.....	3.00	.....	950	.....	.....
.....	.....	.....	.....	.....	10	.....	.....	.....	3.00	.....	800	.....	500
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	56	.....	.....	.....	3.30	.....	900	.....	.....
4	71	.....	1	87	40	.....	.....	.....	3.50	.....	1,100	.....	300
4	6	.....	17	.....	.....	3	.....	.....	3.50	2.00	1,200	620	200
.....	.....	.....	.....	.....	8	.....	.....	.....	3.00	.....	1,000	.....	300
.....	4	.....	.....	8	.....	.....	.....	.....	2.75	.....	900	.....	100
.....	.....	.....	4	.....	.....	.....	.....	.....	3.00	.....	900	.....	200
.....	.....	.....	.....	.....	22	.....	.....	.....	3.00	.....	1,000	.....	300
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1	1	3	.....	.....	3	.....	.....	.....	3.00	.....	900	.....	150
4	36	4	4	36	.....	.....	.....	.....	3.00	.....	900	.....	100
2	43	12	.....	32	8	19	4	.....	2.50	1.75	650	400	240
.....	.....	.....	.....	.....	25	.....	.....	.....	3.00	.....	940	.....	.....
252	114	.....	192	300	477	59	.....	20	3.15	1.75	900	550	360
1	.....	.....	.....	.....	18	.....	.....	.....	3.00	.....	850	.....	180
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	25	.....	.....	.....	3.00	.....	750	.....	160
3	2	.....	.....	2	14	.....	.....	.....	3.00	.....	900	.....	300
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	.....	.....	.....	.....	125	.....	.....	.....	3.00	.....	900	.....	150
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	23	.....	.....	19	9	.....	.....	.....	3.00	.....	1,000	.....	250
.....	63	.....	.....	11	.....	.....	.....	.....	2.75	.....	850	.....	100
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	3	.....	.....	5	.....	.....	.....	.....	2.00	.....	600	.....	.....
249	480	82	245	783	852	66	49	24	.....	.....	.....	.....	.....

## JAPANESE AND CHINESE—Continued

TABLE XI-C—CHINESE POPULATION IN OREGON AND WAGES PAID

	Total number of Chinese	Number of males	Number of females	Number of married couples	Number single over 16 years of age	Number divorced	Children under 16 years of age		
							Total number	Number born in 1920	Number born in 1921
Baker .....	40	35	1	1	33	.....	4	.....	1
Benton .....	6	3	1	1	2	.....	2	.....	1
Clackamas .....	64	42	7	7	35	.....	15	.....	.....
Clatsop .....	196	126	23	23	103	3	47	9	3
Columbia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coos .....	32	18	3	3	21	.....	11	1	1
Crook .....	5	3	1	1	4	.....	1	1	.....
Curry .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Deschutes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Douglas .....	7	7	.....	.....	7	.....	.....	.....	.....
Gilliam .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grant .....	17	17	.....	.....	.....	.....	.....	.....	.....
Harney .....	9	9	.....	.....	9	.....	.....	.....	.....
Hood River .....	14	14	.....	.....	14	.....	.....	.....	.....
Jackson .....	21	19	1	1	18	.....	1	.....	.....
Jefferson .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Josephine .....	5	5	.....	.....	.....	.....	.....	.....	.....
Klamath .....	11	11	.....	.....	.....	.....	.....	.....	.....
Lake .....	10	6	3	3	.....	.....	1	.....	.....
Lane .....	12	11	1	1	10	.....	.....	.....	.....
Lincoln .....	34	34	.....	.....	34	.....	.....	.....	.....
Linn .....	17	15	1	1	14	.....	1	.....	.....
Malheur .....	4	4	.....	.....	.....	.....	.....	.....	.....
Marion .....	72	43	9	9	36	.....	20	.....	.....
Morrow .....	5	2	1	1	3	.....	2	.....	1
Multnomah .....	2,996	2,377	196	196	.....	.....	423	36	38
Polk .....	9	3	1	1	4	.....	5	.....	.....
Sherman .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tillamook .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Umatilla .....	68	66	1	1	65	.....	1	.....	.....
Union .....	35	32	2	2	.....	.....	1	.....	.....
Wallowa .....	5	5	.....	.....	.....	.....	.....	.....	.....
Wasco .....	50	40	4	4	42	.....	6	.....	.....
Washington .....	9	4	2	2	2	.....	3	.....	1
Wheeler .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yamhill .....	3	3	.....	.....	.....	.....	.....	.....	.....
Total .....	3,756	2,954	258	256	456	3	544	47	46

## JAPANESE AND CHINESE—Continued

TABLE XI-C—CHINESE POPULATION IN OREGON AND WAGES PAID

Number engaged in—			Number of males working for wages in—			Number of females working for wages in—			Average daily wage		Average yearly income		Average yearly house rental
Commercial pursuits	Agricultural pursuits	Industrial pursuits	Commercial field	Agricultural field	Industrial field	Commercial field	Agricultural field	Industrial field	Males	Females	Males	Females	
13	5				6				\$3.00		\$ 900		\$ 100
2					1				2.00		400		
4	31				7				2.50		720		
40	18				50				3.25		550		
2					17				3.00		650		
3													
2			3						3.50		1,250		120
3	2				12				2.50		600		
9											800		
6					8				3.25		800		200
3			14						2.00		700		
2			3						3.00		1,080		100
5	2								3.25		1,187		725
3	1		5	1					2.00		600		750
4			7	1					3.30		1,200		180
					34				2.50		750		
5			10						3.25		1,200		200
3			1						2.65		2,660		45
8	13			2	18	2			3.00		800		200
2					3				3.50		100		
287	150		194	156	1040	35			3.00	\$2.00	600	\$ 400	200
2	1		2						3.00		600		100
5	1				54				3.00		1,000		150
5	3				15				3.30		1,000		150
1					4				2.00		725		
4	2				36				3.50		1,000		200
	4				2				2.00		400		200
					3				3.25		700		
433	233		240	162	1308	37							

## JAPANESE AND CHINESE—Continued

TABLE XI-D—JAPANESE EXPENDITURES AND PROPERTY HOLDINGS

	Average per cent spent for		Amount of property owned, assessed valuation and improvements as reported by county assessor					
			City lots			Acres		
	Domestic products	Foreign products	Number	Assessed valuation	Assessed valuation of improvements	Number	Assessed valuation	Assessed valuation of improvements
Baker .....	80	20	.....	.....	.....	.....	.....	.....
Benton .....	.....	.....	.....	.....	.....	70	\$ 420	.....
Clackamas* .....	75	25	.....	.....	.....	182	\$ 13,435	\$ 2,075
Clatsop .....	80	20	19	\$ 6,430	\$ 1,180	10	2,500	.....
Columbia .....	80	20	.....	.....	.....	.....	.....	.....
Coos .....	90	10	.....	.....	.....	.....	.....	.....
Crook .....	.....	.....	.....	.....	.....	.....	.....	.....
Curry .....	.....	.....	.....	.....	.....	.....	.....	.....
Deschutes .....	100	.....	.....	.....	.....	1,224	19,585	1,320
Douglas .....	80	20	.....	.....	.....	.....	.....	.....
Gilliam .....	.....	.....	.....	.....	.....	.....	.....	.....
Grant .....	80	20	.....	.....	.....	.....	.....	.....
Harney .....	.....	.....	.....	.....	.....	.....	.....	.....
Hood River .....	85	15	35	7,660	1,250	1,244	119,424	6,135
Jackson .....	80	20	3	1,161	620	120	1,140	100
Jefferson .....	80	20	.....	.....	.....	.....	.....	.....
Josephine .....	.....	.....	.....	.....	.....	.....	.....	.....
Klamath .....	80	20	.....	.....	.....	1,406	13,660	420
Lake .....	90	10	1	200	400	.....	.....	.....
Lane .....	80	20	2	20	.....	.....	.....	.....
Lincoln .....	.....	.....	31	165	.....	.....	.....	.....
Linn .....	80	20	.....	.....	.....	.....	.....	.....
Malheur .....	80	20	1	2,500	400	40	3,600	200
Marion .....	85	15	.....	.....	.....	.....	.....	.....
Morrow .....	85	15	.....	.....	.....	.....	.....	.....
Multnomah .....	80	20	181	106,940	35,630	59	31,090	3,120
Polk .....	80	20	.....	.....	.....	200	5,800	350
Sherman .....	.....	.....	.....	.....	.....	.....	.....	.....
Tillamook .....	90	10	7	470	.....	20	200	.....
Umatilla .....	90	10	.....	.....	.....	.....	.....	.....
Union .....	85	15	.....	.....	.....	.....	.....	.....
Wallowa .....	.....	.....	.....	.....	.....	.....	.....	.....
Wasco .....	90	10	3	4,550	4,500	.....	.....	.....
Washington .....	85	15	1½	550	.....	50	1,650	230
Wheeler .....	.....	.....	.....	.....	.....	.....	.....	.....
Yamhill .....	90	10	.....	.....	.....	.....	.....	.....
Total.....	---	---	285½	\$130,646	\$43,980	4,625	\$212,504	\$13,950

\* In Clackamas county Japanese also have under lease 362 acres assessed at \$90,480.

## JAPANESE AND CHINESE—Continued

TABLE XI-E—CHINESE EXPENDITURES AND PROPERTY HOLDINGS

	Average per cent spent for		Amount of property owned, assessed valuation and improvements as reported by county assessor					
			City lots			Acres		
	Domestic products	Foreign products	Number	Assessed valuation	Assessed valuation of improvements	Number	Assessed valuation	Assessed valuation of improvements
Baker .....	50	50	5	\$ 2,940	\$ 2,200	.....	.....	.....
Benton .....	80	20	3	3,100	600	.....	.....	.....
Clackamas .....	80	20	.....	.....	.....	114	\$ 4,520	\$ 650
Clatsop .....	80	20	11	633	930	4	1,400	.....
Columbia .....	.....	.....	.....	.....	.....	.....	.....	.....
Coos .....	85	15	24	20,290	4,045	.....	.....	.....
Crook .....	100	.....	.....	.....	.....	.....	.....	.....
Curry .....	.....	.....	.....	.....	.....	.....	.....	.....
Deschutes .....	.....	.....	.....	.....	.....	.....	.....	.....
Douglas .....	80	20	.....	.....	.....	.....	.....	.....
Gilliam .....	.....	.....	.....	.....	.....	.....	.....	.....
Grant .....	85	15	5	480	910	160	280	.....
Harney .....	100	.....	5	875	400	.....	.....	.....
Hood River .....	80	20	.....	.....	.....	.....	.....	.....
Jackson .....	80	20	8	1,410	450	.....	.....	.....
Jefferson .....	.....	.....	.....	.....	.....	.....	.....	.....
Josephine .....	80	20	.....	.....	.....	.....	.....	.....
Klamath .....	80	20	.....	.....	.....	2,127	21,270	200
Lake .....	80	20	1	200	200	.....	.....	.....
Lane .....	80	20	1	550	800	.....	.....	.....
Lincoln .....	80	20	29	120	.....	.....	.....	.....
Linn .....	80	20	.....	.....	.....	.....	.....	.....
Malheur .....	100	.....	.....	.....	.....	.....	.....	.....
Marion .....	80	20	4	1,300	2,000	1,125	22,859	5,400
Morrow .....	80	20	2	453	2,500	.....	.....	.....
Multnomah .....	80	20	126	138,000	18,270	17	149,040	680
Polk .....	80	20	.....	.....	.....	.....	.....	.....
Sherman .....	.....	.....	.....	.....	.....	.....	.....	.....
Tillamook .....	.....	.....	63	1,570	.....	.....	.....	.....
Umatilla .....	80	20	.....	.....	.....	.....	.....	.....
Union .....	80	20	4	230	.....	3 1/2	440	100
Wallowa .....	100	.....	4	1,300	4,600	320	2,100	200
Wasco .....	80	20	1	540	360	.....	.....	.....
Washington .....	80	20	.....	.....	.....	.....	.....	.....
Wheeler .....	.....	.....	.....	.....	.....	.....	.....	.....
Yamhill .....	80	20	.....	.....	.....	80	1,400	260
Total .....	.....	.....	296	\$173,991	\$38,265	3,950 1/2	\$203,309	\$ 7,490

## SOME OF OUR PROBLEMS

It is often exceedingly hard to determine the best course to pursue in the problems which are presented to the bureau of labor.

We meet the individual who is always looking for the best end of a bargain, the man who has worked on a job for a considerable length of time, accepting conditions as he has found them, though probably not as they were represented to him when he hired out. When his work is completed, he comes to the bureau and insists that he has been damaged, claiming that the original agreement has not been carried out and that he should be entitled to a considerable amount of money extra on that account. To convince this man that he is in the wrong is indeed an undertaking.

Another class of workers hard to satisfy is typified by the man who enters into a contract with an employer to do a certain piece of work, which may cover the moving of an amount of earth for a stipulated price per yard, the cutting of wood to be paid for by the cord, or the cutting of logs to be paid for by the thousand feet. In the majority of such cases there is no written contract, the agreement being entered into by word of mouth, and if it so happens that the worker underestimates the job and is unable to make wages while working, he becomes dissatisfied and either quits the job before it is completed or finishes the job and then finds his way to this office. He advances the argument that he should be allowed whatever the going wage is for the class of work he has performed, and it is then our difficult task to point out to him, and convince him, that if he agrees to do a piece of work for a stipulated price and later finds he is unable to make a living at such a price, he can not force the employer to pay him anything in excess of the contract price.

Again, we have the class of man to deal with who goes to work on a job without having a clear understanding as to what the wage is to be. Generally, when the work is completed, he demands more than the employer is willing to pay, and upon the employer protesting the employee informs him he will have the labor commissioner get a settlement for him. Our advice in a case like this is that he should always come to a definite understanding as to what he is to receive before starting to work.

Still another class of worker is typified by the man who hires out by the month and after working for a month or longer asks for an increase in pay. The employer agrees to the increase if the worker will stay a certain period of time, and the worker accepts the proposition but quits before the time expires. He then demands the increased pay for the time he has worked. In this instance, the worker is in the wrong as he has failed to fulfill his part of the bargain.

However, a very large number of the complaints, filed with us by workers who have received unfair treatment from their employers, are well founded.

We have cases where employers who, when hiring workmen, tell them they will pay the going wages. Workmen, anxious to work, take the job but find that the employer has no established pay day, pays in small sums from time to time, and finally, when a workman quits or the job terminates, offers in settlement an amount of money considerably less than the wages paid for that class of work in other localities.

There is the employer who well knows when he hires a man that he

will not be able to pay for his services; this employer can not be reached through prosecution and he possesses nothing to be levied upon. This fact gives him an added feeling of security and he has no compunction in defying the worker to get settlement. When this type of employer, of small or no means at all, is engaged in a business that is hazardous, he carries no insurance for his workman, and in case of an accident during the course of employment the workman must bear the burden himself.

An example of such a condition as cited above is one which was called to the attention of the bureau where a man leased a sawmill with the privilege of later purchasing the same. The timber was bought, stumpage to be paid for as it was cut. The man hired a crew of six men, took them out to the mill and, after they had worked one week, told them he had bought the mill and wanted them to go into partnership with him. This they agreed to do and the employer drew up a contract which all of them signed. They worked several months and no dividends were forthcoming. The workers came to the bureau with their troubles and after some delay we finally succeeded in persuading the employer to bring to the office the contract which the workers had signed. It provided that the bill of lading for all lumber shipped from the mill must go through the bank; that the price of the stumpage and the lease of the mill must be paid first; that the cost of operating and keeping the mill in good repair must be paid second; that the employer should receive a stipulated salary per month for managing the business; that he was to get also a certain amount each month for the use of his automobile; that whatever was left should be divided between the seven of them, the employer and the six workmen, pro rata. Of course, there proved to be nothing left to divide, and on asking the workmen why they had signed such a contract it developed that they were all of foreign birth and could neither read nor write English.

Another class of employer, who is a detriment to the state and to society, is the employer who starts an enterprise and in hiring his men gives preference to men with families, has them move out to his plant and then persuades them to buy stock in his company. They are informed that the plant is to be operated on a cooperative basis and that there would be no room for any one but a stockholder. In nine times out of ten the men buy stock rather than move their families again. Often they are not financially able to move them.

These are only a few of our problems. It has been said that we have more laws than needed, but our experience has proved to us that there should be greater protection furnished the classes of workers described herein.

We find that certain classes of employers are violating repeatedly laws regulating hours of employment on public works and hours of employment for women and minors. It is an endless task to keep a check on this class because a large percentage of workers, both men and women, aid and abet the employer in violating these laws. We have cases where the worker secures permission from the employer to work overtime, and later when he is discharged or otherwise loses the job he complains to us. The law should be changed in such a way that the worker is amenable as well as the employer. This would be fair and just and would tend to lessen the number of violations, we believe.

## DIRECTORY OF MANUFACTORIES

This directory comprises a fairly accurate list of manufacturers in Oregon. The first listing has been made in alphabetical order, and the second by commodities.

### MANUFACTURERS IN OREGON

- Aagard Lumber Co., Glenwood—Lumber  
 Aason, John, Myrtle Point—Lumber  
 Abdell & Son, A. D., Dayton—Lumber  
 Ackley Bros., Klamath Falls—Lumber  
 Acme Cement Plaster Co., Gypsum—Cement Products  
 Acme Flavoring Co., 388 E. Stark, Portland—Extracts  
 Acme Planing Mill, Bandon—Lumber and Boxes  
 Acme White Lead & Color Works, 187 2nd, Portland—Paints  
 Adams Bros. Lumber Co., Elgin—Lumber and Boxes  
 Adams Bros., Columbia Blvd., Portland—Meat Packing  
 Adams Garment Mfg. Co., 234 2nd, Portland—Garments  
 Adams Spark Arrester Co., 116 E. 11th N., Portland—Spark Arresters  
 Addison Bros., Lorane—Lumber  
 Adrian Neckwear Co., Worcester Bldg., Portland—Men's Neckwear  
 Advance Mfg. Co., St. Johns Station, Portland—Crates  
 Agren & Lickentritt, Olney—Lumber  
 Ainge & Co., Peter, 29th & Nicolai, Portland—Electric Fixtures  
 Ajax Lumber Co., Walker—Lumber  
 Aladdin & Co., North Portland—Lumber and Portable Buildings  
 Albany Bakery, Albany—Bakery  
 Albany Box Factory, Albany—Boxes  
 Albany Brick & Tile Co., Albany—Brick and Tile  
 Albany Canning Co., Albany—Fruit and Vegetable Cannery  
 Albany Creamery Ass'n., Albany—Creamery  
 Albany Fruit Juice Co., Albany—Beverages  
 Albany Furniture Mfg. Co., Albany—Furniture  
 Albany Iron Works, Albany—Foundry  
 Albany Lumber Co., Albany—Lumber  
 Albany Planing Mill, Albany—Lumber, Sash and Door  
 Albany Pure Milk & Cheese Co., Albany—Cheese  
 Albany Sand & Gravel Co., Albany—Cement Products  
 Albany Tannery Co., Albany—Tannery  
 Albers Bros., N. Front and Pettygrove, Portland—Flour and Cereals  
 Albertson Mill, A. J., Bandon—Lumber  
 Albina Dressed Beef Co., 514 Williams Ave., Portland—Meat Packing  
 Albina Engine Machine Works, 28 Albina Ave., Portland—Castings, Brass, Iron and Steel  
 Albina Flour Mills, ft. of Russell, Portland  
 Albina Mfg. Co., Kenton Sta., Portland—Flour and Cereal Mill  
 Alco Wood Products Co., Albany—Silos and Lumber  
 Alder Vale Creamery, Nehalem—Cheese  
 Aldropp Bros., Route B, Eugene—Lumber  
 Algoma Lumber Co., Algoma—Lumber and Boxes  
 Alice Loves Marmalade Co., 1004 E. 27th N., Portland—Marmalade  
 Allen Bros., Airlie—Lumber  
 Allen Bros. Storage Battery Co., 330 Flanders, Portland  
 Allen Candy Co., W. C., 17th and Sandy, Portland—Candy  
 Allen Fruit Co., Dundee—Fruit Packing  
 Allen-Hendrickson Packing Co., Rainier—Canned Fruit, Vegetables and Fish  
 Allen-Wilden Bedding Co., 374 E. Washington, Portland—Mattresses  
 Alley Lumber Co., Bay City—Lumber  
 Alsea Cooperative Dairy Ass'n., Alsea—Creamery  
 Alsea Fishermen's Canning Ass'n., Waldport—Fish Cannery  
 Alsea Lumber Co., Alsea—Lumber  
 Alsea River Lumber Co., Alpine—Lbr  
 Alsea Shingle Co., Waldport—Shingles  
 Alsleben, Adolph, Timber—Lumber  
 Altree, O. R., Toledo—Lumber  
 Aluminum Cooking Utensil Co., 520 Irving, Portland—Aluminum Ware  
 American Bakery, 483 Williams Ave., Portland—Bakery  
 American Bakery, Bend—Bakery  
 American Bedding Co., 549 Vancouver Ave., Portland—Mattresses  
 American Belt & Hose Co., E. Water and Yamhill, Portland—Belt and Hose  
 American Box & Crate Mfg. Co., 1050 Nicolai, Portland—Crates & Boxes  
 American Brush Mfg. Co., 369 E. Washington, Portland—Brooms and Brushes  
 American Can Co., N Front & 14th, Portland—Cans  
 American Marine Iron Works, ft. of N Richmond, Portland—Foundry  
 American Minerals Producing Co., Vale—Fertilizers  
 American Soda Works, 227 Larrabee, Portland—Beverages  
 American Type Founders Co., 47 4th Portland—Printing Supplies  
 Ames Bros., Sawmill, Myrtle Point—Lumber  
 Ames-Harris-Neville Co., 522 Hoyt, Portland—Bags and Burlap  
 Amity Cooperative Dairy Ass'n., Amity—Creamery  
 Amity Seed & Grain Co., Amity—Feed  
 Anderson Fish Co., Astoria—Fish Cannery  
 Anderson, Glenn G., Springfield—Lumber  
 Anderson Sawmill, Willamina—Lbr  
 Andrews & Drojan, 244 E. 7th, Portland—Cabinet

## MANUFACTURERS IN OREGON—Continued

- Andrews & Kerr, Corvallis—Bakery  
 Angora Rug & Fur Works, Salem—  
 Fur Tannery  
 Ansley Printing Co., 252 Washington,  
 Portland—Printing and Bookbind-  
 ing  
 Apple Growers' Ass'n., Hood River—  
 Ice  
 Arago Brick & Tile Co., Arago—Brick  
 and Tile  
 Arago Co-Operative Cheese Factory,  
 Arago—Cheese  
 Architectural Stucco Works 19  
 Lewis, Portland—Ornamental Plas-  
 ter Works  
 Armstrong Mfg. Co., 4 2nd, Portland  
 —Farm Room Machinery  
 Arrow Cement Laundry Tray Co., 695  
 E. 8th, Portland—Cement Products  
 Art Embroidery & Button Co., Mor-  
 gan Bldg., Portland—Ladies' Gar-  
 ments  
 Arvidson, T. P., Hereford—Lumber  
 Ashbaugh's Mill, Fred, Hardman—  
 Lumber  
 Ashland Creamery, Ashland—Cream-  
 ery  
 Ashland Ice & Storage Co., Ashland  
 —Ice  
 Ashland Iron Works, Ashland—Foun-  
 dry  
 Ashland Lumber Co., Ashland—Lum-  
 ber and Boxes  
 Ashland Mills, Ashland—Flour  
 Ashland Preserving Co., Ashland—  
 Canned Fruit and Vegetables  
 Aspinwall, Ray, Brooks—Lumber  
 Associated Engineering Corporation,  
 427 Hancock, Portland—Sheet  
 Metal  
 Astoria Box Co., Astoria—Lbr & Boxes  
 Astoria Budget Publishing Co., Asto-  
 ria—Bookbinding  
 Astoria Flouring Mills Co., Astoria—  
 Flour  
 Astoria Lumber Co., Astoria—Lumber  
 Astoria Marine Iron Works, Astoria—  
 Foundry  
 Atkins & Co., E. C., 75 1st, Portland—  
 Saws  
 Atlas Bakery, Lebanon—Bakery  
 Atlas Bakery, McMinnville—Bakery  
 Aumsville Flouring Mill, Aumsville—  
 Flour  
 Austin Sheet Metal Works, 387 E. Al-  
 der, Portland—Sheet Metal  
 Auterson-Bradley Co, 149½ 1st, Port-  
 land—Printing and Bookbinding  
 Automatic Electric Brake Co., Rose-  
 burg—Automatic Brakes  
 Auto Top Co., 431 Burnside, Port-  
 land—Auto Tops  
 B. J. & S. Pattern Shop, 383 E Wash-  
 ington, Portland—Patterns  
 Bagley Canning Co., Talent—Cider,  
 Fruit and Vegetables  
 Bailey & Dempsey, 227½ Stark, Port-  
 land—Bookbinding  
 Baird Bros. Lumber Co., Umpqua—  
 Lumber  
 Bake-Rite Bakery, 251 Yamhill, Port-  
 land—Bakery  
 Bake-Rite Sanitary Bread Co., 457  
 State, Salem—Bakery  
 Baker Mill & Grain Co., Baker—Flour  
 Baker Packing Co., Baker—Sausage  
 Baker Sales Mfg. Co., 263 16th, Port-  
 land—Electric Fixtures  
 Baker White Pine Lumber Co., Baker  
 —Lumber, Boxes and Lath  
 Bakers Bakery, Baker—Bakery  
 Baldwin & Son, Camas Valley—Lum-  
 ber  
 Ball Leather Co., 848 Clackamas,  
 Portland—Leather Products  
 Ball Waist Co., W. J., Royal Bldg.,  
 Portland—Waists  
 Baltes & Co., F. W., First & Oak,  
 Portland—Printing and Bookbind-  
 ing  
 Bandon Cedar Mfg. Co., Bandon—  
 Veneer  
 Bandon Cheese Co., Bandon—Cheese  
 Banner Creamery, Mohler—Cheese  
 Banner-Courier, Oregon City—Print-  
 ing and Bookbinding  
 Barbey Packing Co., Hammond—Can-  
 ned Fish  
 Barham Bros., Siskiyou—Lumber and  
 Boxes  
 Barker Bread Co., 7th and Belmont,  
 Portland—Bakery  
 Barnes-Lindsley Mfg. Co. E. St. Johns,  
 Portland, Box 274—Cross Arms  
 Bates Sawmill, Prairie City—Lumber  
 Bauman, Oscar, Junction City, Route  
 1—Lumber  
 Bauman & Owen, Junction City—  
 Lumber  
 Bay Park Lumber Co., North Bend—  
 Lumber  
 Bayer, J. C., 204 Market, Portland—  
 Sheet Metal  
 Bear Creek Sawmill, Prairie City—  
 Lumber  
 Bear Valley Sawmill, Mt. Vernon—  
 Lumber  
 Beaver Cloak & Suit Co., Fleidner  
 Bldg., Portland—Garments  
 Beaver Creamery Ass'n., Beaver—  
 Cheese  
 Beaver Creek Lumber Co., Vernonia  
 —Lumber  
 Beaver Engraving Co., 148 5th, Port-  
 land—Advertising Cuts, Half Tones,  
 etc.  
 Beaver Falls Shingle & Lumber Co.,  
 Clatskanie—Shingles  
 Beaver Glove Mfg. Co., 31 N. 5th,  
 Portland—Gloves and Mittens  
 Beaver Linnton Mill, Linnton Sta.,  
 Portland—Lumber  
 Beaver Lumber Co., Prescott—Lumber  
 Beaver Portland Cement Co., Gold  
 Hill—Cement  
 Beaver State Furniture Co., 1004  
 Broadway, Portland—Furniture  
 Beaver State Motor Co., Gresham—  
 Foundry  
 Beaverton Planing Mill, Beaverton—  
 Lumber  
 Becker, Edw. A., Woodburn—Cigars  
 Becker, S. L., Forest Grove—Cigars  
 Beckham Mill, Arago—Lumber  
 Beebe, Roy A., Comstock—Lumber  
 Beer, Sam, Manning—Lumber  
 Beers, Frank, Eagle Creek—Lumber  
 Begman's Sawmill, Medical Springs—  
 Lumber  
 Beidler's Mill, Lostine—Lumber  
 Belding Lumber Co., Cochran—Lbr.

## MANUFACTURERS IN OREGON—Continued

- Bell Ice Machine & Refrigerator Co.,  
 63 E 8th, Portland—Ice Machines  
 Bell Mill, John, Union—Lumber  
 Belt, Person & Belt, Route 4, McMinnville—Lumber  
 Bend Brick & Lumber Co., Bend—  
 Brick and Tile  
 Bend Concrete Pipe Co., Bend—Con-  
 crete Pipe and Tile  
 Bend Flour Mill Co., Bend—Flour  
 Bend Iron Works, Bend—Foundry and  
 Wood Patterns  
 Bend Juniper Products Co., Bend—  
 Slate Pencils  
 Benefiel Lumber Co., C. S., Paisley—  
 Lumber  
 Bennett-Edwards & Kocher, Warren-  
 dale—Lumber  
 Bennett Sawmill, M. F., Baker—Lbr  
 Benz Spring Co., 85 N. 9th, Portland—  
 Vehicle Springs  
 Bergman Shoe Mfg. Co., The, 621  
 Thurman, Portland—Shoes  
 Berry Growers Packing Co., Gresham  
 —Fruit and Vegetable Cannery  
 Best, J. W., Corvallis—Lumber  
 Best Spring Co., 9th and Hoyt, Port-  
 land—Springs  
 Big Basin Lumber Co., Klamath Falls  
 —Lumber and Boxes  
 Big Lakes Box Co., Klamath Falls—  
 Boxes  
 Big River Lumber Co., R. 1, Eagle  
 Creek—Lumber  
 Bigelow & Gillette Lumber Co., Nash-  
 ville—Lumber  
 Bilt-Well Co., 500 E. Lincoln, Port-  
 land—Furniture  
 Billyeu & Wallace, Lebanon—Lumber  
 & Tent Pins  
 Binder, Chas., Elkton—Lumber, Flour  
 Birchfield, M. W., McMinnville—  
 Lumber  
 Birkenfeld Lumber Co., Birkenfeld—  
 Lumber  
 Bittner, F. W., Estacada—Shingles  
 Bittner Plug & Lumber Co., R. 1, Bor-  
 ing—Lumber and Wood Plugs  
 Blackburn, H. J., 1400 Macadam,  
 Portland—Cement Brick  
 Blackwell Lumber Co., H. E., Grizzly  
 —Lumber  
 Blaessing Granite Co., 267 3rd, Port-  
 land—Granite and Marble  
 Blaine Creamery Co., Blaine—Cheese  
 Blair Granite Quarry, Ashland—Gran-  
 ite  
 Blakey & Water, Silverton—Lumber  
 Blodgett Lumber Co., Summit—Lum-  
 ber  
 Blue Mt. Creamery Co., La Grande—  
 Creamery  
 Bluhm & Moehneke, Hoff—Lumber  
 Blumauer-Frank Drug Co., 355 Ever-  
 ett, Portland—Mfg. Chemists  
 Blydenstein & Co., Pendleton—Flour  
 Bohemia Cheese Factory, Templeton  
 —Cheese  
 Bohemia Lumber Co., Dorena—Lbr  
 Bolter & Lewis, Holbrook—Lumber  
 Bond & Bates, Myrtle Creek—Lumber  
 Bonney, W. H., Oregon City—Lumber  
 Booth Fisheries Co., Astoria—Fish  
 Cannery  
 Booth Kelly Lumber Co., Eugene—Lbr  
 Borkgren's Mill, Cove—Lbr and Boxes
- Borland Lumber Co., Grants Pass—  
 Lumber  
 Boston Packing Co., 3d and Ankeny,  
 Portland—Sausage and Meat Pack-  
 ing  
 Boughy Lumber Co., Wren—Lumber  
 Boyer Printing Co., 35½ Fifth, Port-  
 land—Printing and Bookbinding  
 Brackney & Co., McKay Bldg, Port-  
 land—Ink  
 Bradley Pie Bakery, 64 Grand Ave.,  
 Portland—Bakery  
 Bradner Co., Independence—Creamery  
 Brand, John J., R. 1. Clatskanie—  
 Lumber  
 Brandes Creamery, 127 First, Portland  
 —Creamery  
 Brandon Bros. Flour Mill, Eagle Point  
 —Flour  
 Braun Bros., Vernonia—Lumber  
 Breck Loganberry Juice Co., Portland  
 Beverages  
 Bredemeier, Ed., Gaston, R. 1.—Lbr  
 Brewer, John H., Silverton, R. 3—Lbr  
 Brewster Valley Creamery, Sitkum—  
 Creamery  
 Breyman Leather Co., 2d and Oak,  
 Portland—Leather Goods  
 Bridal Veil Lumber Co., Bridal Veil—  
 Lumber and Boxes  
 Briggs Lumber Co., Walker—Lumber  
 Brighton Mills Co., Brighton—Lum-  
 ber and Lath  
 Broadbent Creamery Co., Broadbent—  
 Cheese  
 Brock Bros., Clatskanie—Lumber  
 Brock & Co., Waterloo, R. 1—Lumber  
 Bronson, Geo. H., Dallas—Lumber  
 Brooks & McMillan, Waldport—  
 Shingles  
 Brooks-Scanlon Lumber Co., Bend—  
 Lumber and Boxes  
 Broughton & Wiggins, Yeon Bldg.,  
 Portland—Lumber  
 Brown, A. D., Falls City—Lumber  
 Brown, S. A. & F. G., Crystal—Lum-  
 ber  
 Browne & Co., H. C., 373 Yamhill,  
 Portland—Printing and Bookbind-  
 ing  
 Brown-Petzel Lumber Co., Stayton—  
 Lumber  
 Brownlee Lumber Co., Medford—Lbr  
 Brownsville Canning Co., Corvallis—  
 Canned Fruit and Vegetables; Pre-  
 serves, Jams and Jellies  
 Brownsville Creamery, Brownsville—  
 Creamery  
 Brownsville Milling Co., Brownsville  
 —Flour  
 Brownsville Woolen Mills, 3rd and  
 Morrison, Portland—Garments and  
 Woolen Goods  
 Brun's Lumber Co., Sandy—Lumber  
 Bryant Mountain Sawmill, Malin—  
 Lumber  
 Buchanan & Co., C. E., Hillsboro—  
 Flour  
 Buchanan Lumber Co., Halfway—  
 Lumber  
 Buck Box & Crate Co., Eugene—Boxes  
 Buck, W. R., Reedsport—Boxes and  
 Lath  
 Buckner, W. L., 404 Davis, Portland  
 —Cabinets and Fixtures  
 Buehner Lumber Co., North Bend—  
 Lumber

## MANUFACTURERS IN OREGON—Continued

- Buell Mill Co., Falls City—Lumber  
 Builders Supply Co., Corvallis—Cement Products  
 Burke Fish Co., N. Front & Overton, Portland—Fish Packing  
 Burlington Mill Co., Linnton Sta., Portland—Lumber  
 Burmaster Lumber Co., R. 1, Scio—Lumber  
 Burness Auto & Body Works, 12th and Everett, Portland—Auto Top and Body Works  
 Burnett Mill & Timber, Landax—Lumber  
 Burns Flour Milling Co., Burns—Flour  
 Burnt River Co-Operative Creamery Co., Unity—Creamery  
 Burroughs Co., B. L., Pendleton—Lumber  
 Burton & Co., 175 Grover, Portland—Paints  
 Bushong & Co., 91 Park, Portland—Bookbinding  
 Busy Bee Shingle Co., Mapleton—Shingles  
 Butte Creek Lumber Co., Scotts Mills—Lumber  
 Butte Falls Lumber Co., Butte Falls—Lumber  
 Buttercup Ice Cream Co., Salem—Ice Cream  
 Butterfield Bros., 3d and Morrison, Portland—Jewelry Mfgs  
 C. & O. Lumber Co., Brookings—Lbr  
 Cabinet & Box Factory, Albany—Boxes  
 Cadwalder & Bros., S. W., Blodgett—Lumber  
 California Barrel Co., Milwaukie—Barrels and Casks  
 California Ink Co., 41 1st, Portland—Printing Supplies  
 California Packing Corporation, Kenton Sta., Portland—Sauerkraut and Pickles  
 California Plating Works, 212 2nd, Portland—Plating  
 California Rex Spray Co., Medford—Sprays  
 Callahan & Son, J. C., Gaston—Lbr  
 Camas Lumber Co., Lowell—Lumber and Shingles  
 Cameron-Hogg Lumber Co., Bull Run—Lumber  
 Cameron Lumber Co., Albany—Lbr.  
 Cameron Oregon Silo Mfg. Co., Albany—Silos  
 Camp Creek Sawmill, Ironsides—Lbr.  
 Canaday, W. R., Crow—Lumber  
 Candy Products Co. 17th and Sandy Blvd., Portland—Candy  
 Canyon Lumber Co., La Grande, R. 2—Lumber  
 Canyonville Box Factory, Canyonville—Boxes and Dryer Trays  
 Cape Blanco Creamery, Denmark—Creamery  
 Capital City Bedding Co., Salem—Mattresses  
 Capital City Co-Operative Creamery, 137 S. Commercial, Salem—Creamery  
 Capital Monumental Works, Salem—Marble and Granite  
 Carbolineum Preserving Co., 222½ E. Water, Portland—Paints  
 Cariness & Son, A. A., R. 1, Yamhill—Lumber  
 Carlton Consolidated Lumber Co., Carlton—Lumber  
 Carmen Mfg. Co., 1214 Macadam, Portland—Lumber, Furniture and Mattresses  
 Carnation Milk Produce Co., Forest Grove—Milk Condenser  
 Carnation Milling Co., Forest Grove—Flour  
 Carpenter & Moyer, Saginaw—Lbr  
 Carrell & Mayran, Hermiston—Cabinets and Fixtures  
 Carson, J. C., Yachats—Lumber  
 Carson Flouring Mills, Carson—Flour  
 Carter Bros., Hemlock—Lumber  
 Carver Canning Co., R. 2, Oregon City—Fruit Cannery  
 Cascade Flour Mill, Foster—Flour  
 Casey Lumber Co. The, Meacham—Lumber and Boxes  
 Caswell Coffee Co., 25 E. 12th, Portland—Spices  
 Cathcart, W. J., Alsea—Shingles  
 Cedar Creek Lumber Co., Linnton Sta. Portland—Lumber  
 Celro-Kola Co., 105 12th, Portland—Extracts  
 Central Clay Products Co., Monmouth—Brick  
 Central Door & Lumber Co., Holgate and 24th, Portland—Wall Boards, Sash and Doors, Glass, Art, Mirrors and Ornamental Works  
 Central Furniture Manufacturing Co., 382 E. Yamhill, Portland—Furniture  
 Central Oregon Brick Co., Bend—Brick and Tile  
 Central Oregon Farmers Creamery, Bend—Creamery  
 Central Planing Mill, Corvallis—Lbr.  
 Central Point Mill, Central Point—Flour  
 Chamberlain, M. A., Junction City—Lumber  
 Chambers, J. H., Cottage Grove—Lbr  
 Champion Mfg. Co., E 27th & Morgan, Portland—Woodenware and Baskets  
 Chandler & Son, Astoria—Canned Fruit and Vegetables  
 Chapman Mill, Fossil—Lumber  
 Chapman, F. M., Divide—Lumber  
 Chausse-Prudhomme Co., 306 Davis, Portland—Printing and Bookbinding  
 Cheery Manufacturing Co. Inc., 271 Hawthorne, Portland—Tile  
 Chehalem Valley Mills, Newberg—Flour  
 Cherry City Baking Co., Salem—Bakery  
 Cherry City Flouring Mill, Salem—Flour  
 Cherry Grove Shingle Co., Cherry Grove—Shingles  
 Chevaley Ever Fresh Milk Products Co., 432 E. Salmon, Portland—Creamery  
 Chiloquin Lumber Co., Chiloquin—Lumber  
 Chocolate Truffles Co., Grand and E. Stark, Portland—Candy  
 Christensen & Bridges, Sitkum—Lbr

## MANUFACTURERS IN OREGON—Continued

- Chronicle Publishing Co., The Dalles  
—Printing and Bookbinding  
City Awning & Shade Co., 353 E. Burnside, Portland—Shades and Awnings  
City Dairy, 553 2nd., Portland—Creamery  
City Iron Works, 107 N. 2nd., Portland—Ornamental Iron and Wire  
City Meat Market, Pendleton—Sausage  
City Sign Co., 329 Oak, Portland—Electric Signs  
Clark, H. B., 1 Union Ave., Portland—Paper Boxes  
Clark Lumber Co., Millwood—Lbr  
Clark & Wilson Lumber Co., Linnton Station, Portland—Lumber  
Clark Saddlery Co., John, 104 Front, Portland—Harness and Collars  
Clarke-Woodward Drug Co., Wood-Lark Bldg., Portland—Mfg. Chemists  
Clear Creek Creamery Co., Oregon City—Creamery  
Climax Lumber & Mfg. Co., Blodgett—Lumber  
Clossett & Co., 128 N. 12th, Portland—Coffee, Spice and Extracts  
Closset & Devers, 1-3 N. Front, Portland—Coffee, Spice and Extracts  
Cloverdale Cheese Co., Cloverdale—Cheese  
Cloverdale Lumber Co., Cloverdale—Lumber  
Cloverland Creamery, 213 W. Burlington, Portland—Creamery  
Cloverleaf Creamery Co., Bay City—Cheese  
Coast Chemical Co., 294 3rd, Portland—Soap  
Coast Culvert & Flume Co., Columbia Blvd. and Derby, Portland—Flumes and Culverts  
Coast Engine & Machine Works, 1t. of E. Taylor, Portland—Patterns  
Coast Packing Co., Bay City—Fish Cannery  
Coast Range Lumber Co., Mabel—Lbr  
Coast Steel & Machinery Co., 50 1st, Portland—Air Compressors  
Coates Lumber Co., A. F., Tillamook—Lumber and Shingles  
Cobbs & Mitchell Co., Falls City—Lumber  
Cochran Cider Mill, 1108 Hawthorne Portland—Cider  
Cocoaize Products Co., 150 E. 7th, Portland—Chemists  
Coffee Cup Cafeteria, 332 Washington, Portland—Bakery  
Coffer Bros., Klamath Falls—Brick and Tile  
Coffman, A. J., 411 Morrison, Portland—Candy  
Cogan & Son, S. R., Cornelius—Lbr.  
Coin Machine Mfg. Co., 984 E. 17th, Portland—Die Stamping  
Colby Compression Tube Co., 361 E. Burnside, Portland—Rubber Tubes  
Coke, E. C., Marshfield—Cigars  
Cold Springs Cheese Factory, Cloverdale—Cheese  
Cold Storage Co., Grants Pass—Ice  
Cole, James, Devitt—Lumber  
Cole Lumber Co., Molalla—Lumber  
Cole, N. E., Aurora—Lumber  
Collard, W. P., Gervais—Lumber  
Collins, C. I., Bartle Court, Eugene—Lumber  
Collins Flour Mill & Grain Elevator, Pendleton—Flour  
Columbia Awning & Shade Co., 188 2nd, Portland—Awnings and Tents  
Columbia Brick Works, 302 Main, Portland—Brick and Tile  
Columbia City Furniture Factory, Columbia City—Lumber and Furniture  
Columbia County Lumber Co., St. Helens—Lumber  
Columbia Delta Cheese Co., Clatskanie—Cheese  
Columbia Elevator Co., 254 E. 6th, Portland—Elevators  
Columbia Furniture & Fixture Co., 331 Belmont, Portland—Furniture  
Columbia Hat Works, 347½ Morrison, Portland—Hats  
Columbia Knitting Mills, 212½ First, Portland—Knitting Goods  
Columbia Lumber Co., The Dalles—Lumber  
Columbia Macaroni Co., 270 1st, Portland—Macaroni  
Columbia Milling Co., E. 2nd & Market, Portland—Flour and Cereals  
Columbia Mills Inc., The Royal Bldg., Portland—Window Shades  
Columbia Paper Box Co., 212 E 25th N., Portland—Paper Boxes  
Columbia Printing Co., 420 Morrison, Portland—Printing and Bookbinding  
Columbia River Canning & Produce Co., St. Helens—Canned Fruit and Vegetables  
Columbia River Packers Ass'n., Astoria—Cans and Fish Cannery  
Columbia Statuary Co., 370 Hawthorne, Portland—Dolls  
Columbia Steel Co. of Nevada, 10th & Johnson, Portland—Foundry  
Columbia Tire Corp., N. W. Bank Bldg., Portland—Tires and Tubes  
Columbia Wall Board Co., 15th and Thurman, Portland—Wall Board  
Columbia Wire & Iron Works, E. 8th and Market, Portland—Ornamental Iron and Wire  
Commercial Cider Works, Salem—Cider & Vinegar  
Commercial Creamery Co., Haines—Cheese  
Commercial Creamery Co., Wallowa—Creamery  
Commercial Iron Works, Union and Stephens, Portland—Foundry  
Comstock Lumber Co., Comstock—Lumber  
Concrete Pipe Co., 410 River, Portland—Concrete Blocks and Tile  
Concrete Pipe Co., Ontario—Concrete Blocks and Tile  
Condon Milling Co., Condon—Flour  
Cone Lumber Co., Fossil—Lumber  
Conner & Co., 841 Macadam, Portland—Syrup  
Connors, J. H., Grants Pass—Lumber

## MANUFACTURERS IN OREGON—Continued

Consolidated Lumber Co., Gales Creek—Lumber  
 Continental Pipe Mfg. Co., Kenton Station, Portland—Wood Pipes  
 Cook, Almon, Sutherland—Lumber  
 Cook & Son, I. N., R. 1, Hoff—Lbr  
 Coolidge & McClaine, Silverton—Lbr  
 Coon Creek Sawmill, Grizzly—Lbr  
 Coos Bay Iron Works, Marshfield—Foundry  
 Coos Bay Lumber Co., Marshfield—Lumber, Lath and Shingles  
 Coos Bay Mattress Co., Marshfield—Auto Tops and Mattresses  
 Coos Bay Mutual Creamery, Marshfield—Cheese  
 Coos Bay Shingle Co., North Bend—Shingles  
 Coos Canning Co., Coos Bay—Canned Fruit and Vegetables  
 Coos Veneer & Box Co., Marshfield—Veneer and Boxes  
 Coquille Cannery Co., Bandon—Canned Fish  
 Coquille Ice Plant, Coquille—Ice  
 Coquille Lumber Co., Coquille—Lbr  
 Coquille Valley Creamery Co., Coquille—Creamery  
 Corbett Brick Yard, Corvallis—Brick and Tile  
 Corner & Gilman, Grants Pass—Lbr  
 Corvallis Brick & Tile Works, Corvallis—Brick and Tile  
 Corvallis Creamery Co., Corvallis—Creamery  
 Corvallis Lumber Mfg. Co., Corvallis—Lumber and Boxes  
 Corvallis Soda Works, Corvallis—Beverages  
 Cotes Sawmill, P. Joseph—Lumber  
 Cottage Grove Cannery, Cottage Grove—Canned Fruit and Vegetables  
 Cottage Grove Creamery, Cottage Grove—Creamery  
 Cottage Grove Flour Mills, Cottage Grove—Flour  
 Cottage Grove Mfg. Co., Cottage Grove—Lumber  
 Cogle, R. M., Williams—Lumber and Shingles  
 Covey Motor Car Co., Washington and 21st, Portland—Auto Locks  
 Coy Bros. Planing Mill, Dallas—Lbr  
 Crandall Bros., Lebanon—Lumber  
 Crane Co., W. B., E. 8th & Oak, Portland—Coffee, Spice and Extracts  
 Crawford & Doherty Foundry Co., 934 E. 17th, Portland—Foundry  
 Crax Manufacturing Co., 720 First, Portland—Soap Compound  
 Critchlow's Sawmill, Durkee—Lbr  
 Cronin Co., The P. J., 129 1st, Portland—Saddlery, Harness and Collars  
 Crosby Candy Co., 224 Crosby, Portland—Candy  
 Crossett Western Lumber Co., Wauna—Lumber  
 Crowe, E. R., Lorane—Lumber  
 Crown Mills, N. Front & Quimby, Portland—Cereals and Flour  
 Crown-Willamette Paper Co., Pittcock Block, Portland—Paper  
 Crystal Creamery, Sixes—Cheese  
 Crystal Ice & Cold Storage Co., 427 E. Main, Portland—Ice and Creamery  
 Crystal Mattress Works, 1661 E. 17th Portland—Mattresses  
 Culver, James, Bridge—Lumber  
 Cummins, J. B., Gaston—Lumber  
 Cummings Sawmill, Mt. Vernon—Lbr  
 Curry, A. W., 128 Union Ave, Portland—Sheet Metal  
 Cushman Canning Co., Cushman—Fruit Cannery  
 Cutler Mfg. Co., 351 E. 10th, Portland—Apple Graders  
 Daily Bread Bakery, 123 Grand Ave., Portland—Bakery  
 Dallas Canning Co., Dallas—Canned Fruit and Vegetables  
 Dallas Flouring Mills, Dallas—Flour  
 Dallas Machine & Locomotive Works, Dallas—Foundry  
 Dallas Planing Mill, Dallas—Lumber, Sash and Doors  
 Danner & Co., 846 Multnomah Ave, Portland—Metal Polish  
 Daugherty Lumber Co., Curtin—Lbr  
 Davenport & Sons, Spray—Lumber  
 Davidson, J. L., Route 1, Junction City—Lumber  
 Davidson Bread Co., E. 22nd & Oregon, Portland—Bakery  
 Davidson Stop Signal Co., 240 E. 7th, Portland—Signals  
 Davis & Holman, Inc., 111 2nd, Portland—Printing and Bookbinding  
 Davis & Wolf, Beaverton—Lumber  
 Davis Mill, Union—Lumber  
 Davis & Webber, Airlie—Lumber  
 Dawson Bros., Joseph—Lumber  
 Dayton Box & Lumber Co., Dayton—Lumber and Boxes  
 Debrick & Wann, Willamina—Lbr  
 Deer Creek Lumber Co., Minam—Lbr  
 Defiance Tea & Coffee Co., 63 Front, Portland—Coffee, Spice and Extracts  
 De Force Oil Works, Astoria—Fish Oil  
 Delta Shingle Co., Cushman—Shingles  
 Delux Furniture Shop, 163 Grand Ave, Portland—Furniture  
 DeMaris & McKenzie Lumber Co., Prineville—Lumber  
 Demas Sawmill, Christ, Willamina—Lumber  
 Del Norte Mining Co., Takilmo—Lbr  
 Delta Shingle Co., Florence—Shingles  
 Demick & Mather, Sixes—Lumber  
 Deming Packing Co., R. C., Estacada—Canned Fruit and Vegetables  
 Denmark Cheese Co., Denmark—Cheese  
 Denmark Sawmill, Denmark—Lbr  
 Denny-Renton Clay & Coal Co., 648 Sherlock Ave., Portland—Brick and Tile  
 Dennos Food Co., 921 Union Ave., Portland—Infant and Invalid Food  
 Denson J. J., Carlton—Flour  
 Deschutes Ice Co., Bend—Ice  
 Deschutes Lumber Co., Bend—Lbr  
 Devlin, Jas. A., Pendleton—Cigars  
 Dewitt & Alfred, Mt. Hood—Lumber  
 DeWolf, L. G., Canyon City—Lbr  
 Diamond Flouring Mills, The Dalles—Flour  
 Dickenson Co. Inc., Oswego—Canned Fruit and Vegetables  
 Dimick & Falk, Sixes—Lumber

## MANUFACTURERS IN OREGON—Continued

- Dimm & Sons, Henry Bldg., Portland—Bookbinding  
 Disston & Sons, Inc., Henry, 91 1st, Portland—Circular Saws  
 Dittmer, Henry, 269 E 6th, Portland—Cabinets and Fixtures  
 Dix & Aylesworth, Oregon City—Lbr  
 Dix Lumber Co., R. 2, Molalla—Lbr  
 Dixie Lumber Co., Prairie City—Lbr  
 Dixon, S., Lakeview—Shingles  
 Dober Bros., Banks—Lumber  
 Dodge Shingle Mill, Colton—Shingles  
 Doernbecker Mfg. Co., E 28th, Portland—Lumber, Furniture and Veneer  
 Doherty Mill, Pat, Gurdane—Lumber  
 Donaldson, Don, 614 E. Mohawk, Portland—Cigars  
 Donovan, Martin E. 7th and Couch, Portland—Candy  
 Doran's Sawmill, Flora—Lumber  
 Douglas County Creamery, Roseburg—Creamery  
 Douglas County Flouring Mills, Roseburg—Flour  
 Douty Lumber Co., Douty—Lumber  
 Doyle, C. R. Dufur, R. 1, Box 12—Lumber  
 Drain Canning Co., Drain Canned Fruit and Vegetables  
 Drewett's Sawmill, Drewsey—Lbr  
 Dry Creek Lumber Co., Summerville—Lumber  
 Dubrille Top Co., 395 Oak, Portland—Auto Tops  
 Duckett Lumber Co., J. T., Sisters—Lumber  
 Dufur Lumber Co., Dufur—Lumber  
 Duke, J. H., Wilkesboro—Brick and Tile  
 Dundee, Fred, Gaston—Lumber  
 Dundee Fruit Growers & Packers, Dundee—Fruit Packing  
 Dunham Printing Co., 116 2nd, Portland—Bookbinding  
 Dunn, M. E., Mulino—Lumber  
 Dunne, D. M., 611 Roosevelt, Portland—Paints and Oil  
 Dupray Lumber Co., Butte Falls—Lumber  
 Durable Roofing Mfg. Co., Kenton Station, Portland—Roofing  
 Dutton Lumber Co., H. P., Glenada—Lumber  
 Dygert & Co., A. J., 231½ Oak, Portland—Bookbinding  
 Dysinger, W. L., Roseburg—Sash and Doors  
 E. & B. Shingle Co., Canary—Shingles  
 Eagle Lumber Co., West Timber—Lumber  
 Eagle Mills, St. Johns Terminal, Portland—Flour  
 Eagle Valley Cannery Co., New Bridge—Canned Fruit and Vegetables  
 Eagles, Wm., Albany—Cigars  
 Earnest, W. E. Waldport—Lumber  
 East Beaver Cheese Co., Hemlock—Cheese  
 East Oregon Lumber Co., Enterprise—Lumber  
 East Pine Lumber Co., Halfway—Lumber  
 East Sawmill, Tualatin—Lumber  
 East Side Boiler Works, ft. of E. Main, Portland—Boilers and Steel Tanks  
 East Side Box Co., ft. of Spokane Ave., Portland—Lumber and Boxes  
 East Side Mill & Lumber Co., ft. of Spokane Ave., Portland—Lumber  
 East Side Printing Co., 390 Belmont, Portland—Bookbinding  
 East Side Tent & Awning Co., 450 E. Burnside, Portland—Tents  
 Eastern Novelty Mfg. Co., 203 Manchester Bldg., Portland—Neckwear  
 Eastern & Western Lumber Co., N. Front & Colton, Portland—Lumber  
 Eaton Cement Works, Freewater—Concrete Bridges, Pipe and Tile  
 Echo Flour Mills, Echo—Flour  
 Echo Meat Market, Echo—Sausage  
 Eccles Lumber Co., W. H., Baker—Lumber and Boxes  
 Economy Wire Tie & Mfg. Co., 55 1st, Portland—Box Factory, Specialties  
 Edson Mill, Sparta—Lumber  
 Edwards & Co., Dwight, 34 N. Front, Portland—Coffee, Spices and Extracts  
 Eidsmoe, A. R., Yamhill—Lumber  
 Eighth St. Planing Mill, Eugene—Lbr  
 Elam Lumber Co., Elam—Lbr  
 Electric Steel Foundry, 22nd & York, Portland—Foundry  
 Elgin Flour Mills, Elgin—Flour  
 Elk City Lumber Co., Drain—Lumber  
 Elk City Lumber Co., Banks—Lumber  
 Elk Creek Creamery, Elkton—Creamery  
 Elliott, N. D., Salem—Printing and Bookbinding  
 Ellman Hygienic Mattress & Furniture Co., 384 Russell, Portland—Mattresses  
 Elmore Packing Co., Astoria—Canned Fish  
 Elsie's Millinery, Artisan Bldg, Portland—Hats  
 Elson Mfg. Co., 453½ Washington, Portland—Dresses and Skirts  
 Elwood Creamery Co., Tillamook—Cheese  
 Emerson Hardwood Co., N. Front & 20th, Portland—Lumber  
 Emerwood Panel & Top Factory, 543 E. 14th, Portland—Veneer  
 Endrup Mill, Halfway—Lumber  
 English Co. J. C., 148 5th, Portland—Electric Fixtures  
 Enterprise Bottling Works, Enterprise—Beverages  
 Enterprise Creamery, Enterprise—Ice and Creamery  
 Enterprise Mercantile & Milling Co., Enterprise—Flour  
 Enterprise Planing Mill Co., 300 E. Yamhill, Portland—Lumber, Sash and Doors  
 Enterprise Slide Co., Merchants Trade Bldg., Portland—Motion Picture Slides  
 Equity Queen Canning Co., Dayton—Canned Fruit and Vegetables  
 Esbencott Chemical Co., Stock Exch. Bldg., Portland—Mfg. Chemists  
 Euchre Creek Cheese Factory, Wedderburn—Cheese  
 Eugene Bottling Works, Eugene—Beverages

## MANUFACTURERS IN OREGON—Continued

- Eugene Cigar Factory, Eugene—Cigars  
 Eugene Clarifying & Pasteurizing Co., Eugene—Creamery  
 Eugene Concrete Works, Eugene—Cement Products  
 Eugene Excelsior Co., Eugene—Excelsior  
 Eugene Farmers Creamery, Eugene—Creamery  
 Eugene Fruit Growers Ass'n., Eugene—Vinegar, Fruit and Vegetables, Ice and Ice Cream and boxes  
 Eugene Granite & Marble Works, Eugene—Granite and Marble Works  
 Eugene Handle Co., Eugene—Handles  
 Eugene Mill & Elevator Co., Eugene—Flour  
 Eugene Planing Mill Co., Eugene—Lumber  
 Eugene Western Lumber Co., Veneta—Lumber  
 Eugene Woolen Mills Co., Eugene—Woolen Goods  
 Eureka Carriage & Auto Works, 327 Couch, Portland—Auto Bodies  
 Eureka Flour Mill, Stayton—Flour and Feed  
 Everett, F., Willamina—Lumber  
 Everett Lumber Co., Willamina—Lumber  
 Everson & Parson, Waldport—Shingles  
 Ewauna Box Co., Klamath Falls—Lumber and Boxes  
 Ewing Bros. Sawmill, New Bridge—Lumber  
 Excelsior Mfg. Co., Marshfield—Excelsior  
  
 Fairmont Brick and Tile Co., Monroe—Brick and Tile  
 Fairview Dairy Ass'n., Tillamook—Cheese  
 Falls City Box & Mfg Co., Falls City—Boxes  
 Farmers Creamery Co., Carlton—Creamery  
 Farwest Canning Co., Astoria—Canned Fruit and Vegetables  
 Far West Mfg. Co., Albany—Ladders, Cabinets and Fixtures  
 Featherstone Products Co., Cornelius—Canned Fruit and Vegetables and Beverages  
 Federal System of Bakeries, 146 3d Portland—Bakery  
 Feenaughty Machinery Co., 309 E. Yamhill, Portland—Flumes and Culverts  
 Fenner Mfg. Co., ft of McKenna, Portland—Cabinets and Fixtures  
 Fern & Griswold, Dallas—Lumber  
 Fernwood Dairy, 15th and Union Ave, Portland—Creamery  
 Ferry Mill & Lumber Co., Linnton Station, Portland—Lumber  
 Fields, Robt. N., Brownsville—Lbr  
 Finke Bros., 254 Front, Portland—Barrels and Casks  
 Finnigan & Williams, Inc., 311 1/2 Front, Portland—Furnaces  
 Fisch, N. B., 105 N. 15th, Portland—Sheet Metal  
 Fischer Flouring Mills, Corvallis—Flour and Cereals  
 Fischer Lumber Co., Carl E., Walton—Lumber  
 Fish & Doy, Gaston—Lumber  
 Fisher, Chas., Milwaukie—Brick and Tile  
 Fisher Lumber Co., Marcola—Lbr  
 Fisher's Sawmill, J. S., Hubbard—Lbr  
 Fisher-Thorsen Co., 514 N. 29th, Portland—Paint  
 Five Point Lumber Co., Glendale—Lumber  
 Flam Sawmill, Frank, Bridge—Lumber  
 Fleischner-Mayer & Co., 2nd & Couch, Portland—Overalls, Men's Shirts, Ladies and Children's Garments  
 Flora Mercantile & Milling Co., Flora—Flour  
 Floras Lake Cheese Factory, Langlois—Cheese  
 Florence Canning Co., Florence—Canned Fish  
 Fluff Rug Co., Union Ave. and Davis, Portland—Rugs  
 Fluhrer Bros., Mayger—Shingles  
 Flynn & Co., C. I., Baker—Cigars  
 Foley Box Co., Garibaldi—Boxes  
 Forcia & Larsen, Noti—Lumber  
 Forest Grove Clay Products Co., Forest Grove—Brick and Tile  
 Forest Grove Fruit Growers' Ass'n., Forest Grove—Canned Fruit and Vegetables  
 Forest Grove Ice & Fuel Co., Forest Grove—Ice  
 Forest Grove Mill and Logging Co., Forest Grove—Lumber  
 Forest Products Co., Linnton Station—Veneer  
 Fort Rock Cheese Factory, Fort Rock—Cheese  
 Foster Lumber Co., Kings Valley—Lumber  
 Foster Sawmill, Cloverdale—Lumber  
 Fossil Milling Co., Fossil—Flour  
 Fowler Manufacturing Co., Worcester Bldg., Portland—Chemists  
 Fox, A. W., Noti—Lumber  
 Frazer Mfg. Co., 133 Water, Portland—Cabinets and Furniture  
 Fredrickson, Elmer E., Suver—Lbr  
 Freeman & Rowan, Cotton—Lumber  
 Freemont Creamery, Freemont—Creamery and Butter  
 Freeland Furniture Co., 970 Macadam, Portland—Furniture  
 Freewater Box Co., Milton—Boxes  
 Freewater Cannery, Freewater—Vinegar, Canned Fruit and Vegetables  
 French Bakery Co., 407 6th, Portland—Bakery  
 Frohnhofer & Dee, Grizzly—Lumber  
 Frye & Co., 13th & Hoyt, Portland—Meat Packing  
 Fuller & Co., W. P., Morrison & Front, Portland—Paints and Oil  
 Fulton Park Marble Works, 95 Custer, Portland—Granite and Marble  
 Furniture Mfg. Co., 414 Schuyler, Portland—Furniture  
 Furuya Co., M., 58 N 4th, Portland—Rice Mill  
  
 G. H. P. Lumber Co., Hillsboro—Lbr  
 Gagnon Lumber & Box Co., Medford—Lumber and Boxes

## MANUFACTURERS IN OREGON—Continued

- Garden Road Co-Operative Cheese Factory, Salem—Cheese  
 Gardner Cigar Co., 209½ Madison, Portland—Cigars  
 Gaston Cheese Factory, Gaston—Cheese  
 Gates Mill Co., Gates—Lumber  
 Gaus Co., F. A., Selling Hirsch Bldg., Portland—Jewelry Mfg  
 Gebhart & Klees Lumber Co., Grande Ronde—Lumber  
 Gehrke, E. B., Marshfield—Cabinets  
 Gertulla F. W., Kernville—Canned Fish  
 Gets-It Mfg. Co., 262 3d, Portland—Soap and Spray  
 Gibbons's Sawmill, Suntex—Lumber  
 Gibbs Sawmill, E. E., Ukiah—Lumber  
 Gibbs, Orin O., Ukiah—Boxes and Shingles  
 Gibson & Pennington, Walton—Lumber  
 Giger Bros., Scotts Mills—Lumber  
 Gilkison, J. R., Keating—Lumber  
 Gilley-Cole Co., 60 N. Front, Portland—Asbestos Products  
 Gimre Planing Mill, Astoria—Lumber  
 Girt, G. W., B. 564, Rainier—Shingles  
 Glass & Prudhomme Co., 65 Seventh, Portland—Bookbinding  
 Gleason Brick Co., Cottage Grove—Brick and Tile  
 Gleason Glove Co., Salem—Gloves and Mittens  
 Gleim & McGrew, Talent—Lumber  
 Glen Oak Lumber Co., Oregon City—Lumber  
 Glendale Lumber Co., Glendale—Lbr  
 Globe Hat & Cap Mfg. Co., 23 Ainsworth Bldg., Portland—Hats and Caps  
 Gold Beach Canning Co., Gold Beach—Canned Fish  
 Gold Beach Lumber Co., Gold Beach—Lumber  
 Gold Creek Lumber Co., Willamina—Lumber  
 Gold Medal Shingle Co., Kerry—Shingles  
 Golden Rod Milling Co., Albina & R. R. Ave., Portland—Cereals  
 Golden West Creamery, Pendleton—Creamery  
 Goldner & Clement, Arago—Lumber  
 Good Brick Yard, H. N., Donald—Brick and Tile  
 Gordan, H. L., Silverton—Lumber  
 Gorsline & Sons, Kings Valley—Lbr  
 Gould Battery Co., 92 N. 10th, Portland—Batteries  
 Graffinberger Valve Co., 330 E. Morrison, Portland—Auto Valves  
 Gragg Lumber Co., Monroe—Lumber  
 Grand Sheet Metal Works, 60 E. 3d, Portland—Sheet Metal Products  
 Grande Ronde Lumber Co., Perry—Lumber and Boxes  
 Grande Ronde Meat Co., La Grande—Meat Packing  
 Grandma Cookie Co., 384 E. Stark, Portland—Bakery, Biscuits and Crackers  
 Grangers-Eugene Warehouse, Eugene—Flour  
 Grants Pass Lumber Co., Wolf Creek—Lumber  
 Gravel Ford Cheese Factory, Gravel Ford—Cheese  
 Graves Bros., R. 1, Hoff—Lumber  
 Graves Canning Co., Sheridan—Canned Fruit and Vegetables  
 Gray, McLean & Percy, 113 N. 4th, Portland—Baking Powder, Coffee, Spices, Extracts  
 Great Northern Casket Co., Macadam & Gains, Portland—Caskets  
 Portland—Butcher Garments  
 Greener & Gerstman, Mountindale—Shingles  
 Greenman, A. C., Forest Grove—Lbr  
 Grellner, F. T., 464 Union Ave. N., Gresham Home Products Co., Gresham—Canned Fruit and Vegetables  
 Griffith & Co., 231 Oak, Portland—Bookbinding  
 Griswold-Davis Lumber Co., Falls City—Lumber  
 Griswold-Grier Lumber Co., Falls City—Lumber  
 Groke, Otto, North Bend—Cigars  
 Groner & Rowell Co., Hillsboro, R. 2, Lumber, Brick and Tile  
 Growers Packing & Warehouse Co., Klamath Falls—Boxes  
 Guistina Bros., Vesper—Lumber  
 Gunther-King Co., 146 Page, Portland—Sheet Metal  
 Gurdane Fine Milling Co., Gurdane—Lumber  
 Gurien, D., 646 2nd, Portland—Cabinets and Fixtures  
 Gutzeit & Vermeire, Astoria—Cigars  
 Hackman, Chas. E., La Grande—Cigars  
 Hadden Lumber Co., Manhattan Beach—Lumber  
 Hages Cider Factory, Mosier—Cider  
 Haines Flour Mill, Haines—Flour  
 Haines Lumber Co., Haines—Lumber  
 Halfway Creamery Station, Halfway—Creamery  
 Hall, A. A., Eagle Point—Lumber  
 Hall Lumber Co., Tualatin—Lumber  
 Hall Mfg. Co., 181 Grand Ave., Portland—Auto Beds  
 Hallock, F. S., R. 2, Gaston—Lumber  
 Halverson Co., 374 E. Oak, Portland—Electric Fixtures and Plating  
 Hamilton Lumber Co., Dallas—Lumber  
 Hammock's Sawmill, W. J., Enterprise—Lumber  
 Hammond Lumber Co., Gasco Bldg., Portland—Lumber, Lath and Shingles  
 Hancock Shingle Co., Westigber—Shingles  
 Hansen, H. J., Forest Grove—Lumber  
 Hansen Manufacturing Co., 6516 Powell Valley Road, Portland—Vinegar  
 Hansen Map & Blue Print Co., 207 Concord Bldg., Portland—Printing  
 Hansen Planing Mill, A. N., Salem—Lumber  
 Hansen Planing Mill, Vale—Lumber  
 Hansen Sawmill, H. M., Long Creek—Lumber  
 Hardie Mfg Co., The, 55 N. Front, Portland—Spraying Machinery and Ladders  
 Hargreaves Bros. & Morris, Eugene—Lumber

## MANUFACTURERS IN OREGON—Continued

- Harney Sawmill, Harney—Lumber and Shingles  
 Harney Valley Lumber Co., Burns—Lumber  
 Harper, Robert, Junction City—Lumber  
 Harper's Brass Works, 106 N. 5th, Portland—Foundry  
 Harris Foundry, 439 Vancouver, Portland—Foundry  
 Harris Home Made Candy, 441 Washington, Portland—Candy  
 Harris Ice Machine Works, 174 E. Water, Portland—Ice Machines  
 Harris Trunk Co., 130 6th, Portland—Trunks  
 Harrisburg Concrete Works, Harrisburg—Cement Products  
 Harrisburg Lumber & Mfg. Co., Harrisburg—Lumber  
 Hartwig, E. J., Lakeview—Lumber  
 Haskell Carpenter Co., Cherry Grove—Lumber  
 Hawley Pulp & Paper Co., Oregon City—Paper and Paper Bags  
 Hawthorne Artificial Ice Co., 1048 Hawthorne Ave., Portland—Ice  
 Hawthorne Bracket Co., 1065 E. Madison, Portland—Cabinets and Fixtures  
 Haynes-Foster Bakery Co., E. 7th and Davis, North Portland—Bakery  
 Hayes Ranch Sawmill, Salem—Lbr  
 Hazel Hill Cheese Factory, Otis—Cheese  
 Hazelwood Cheese Factory, Lakeside—Cheese  
 Hazelwood Confectionery & Restaurant, 388 Washington, Portland—Ice Cream  
 Heald Menerey Co., 317 Abington Bldg., Portland—Maps, Printing  
 Heacock Sash and Door Co., 214 First, Portland—Sash and Doors  
 Heacock, W. M., 61st and Division, Portland—Lumber  
 Hedin Lumber Co., Wapinitia—Lumber  
 Helney's Sawmill, Gresham, R. 3—Lbr  
 Heiple & Buell, Molalla—Lumber  
 Heitkemper, Anthony B., 247 Grand Ave., Portland—Cigars  
 Heitkemper, John, 151 Porter, Portland—Cigars  
 Helix Milling Co., Helix—Flour  
 Heller, L. F. R., Gravel Ford—Lbr  
 Helser Machine Shop, 493 N. 22nd, Portland—Engines  
 Henderson Cigar Factory, Salem—Cigars  
 Henninger & Ayer Mfg. Co., 505 N. 29th, Portland—Cannery Machinery  
 Henningsen Produce Co., 180 Burnside, Portland—Milk Condenser  
 Heppner Farmers Elevator Co., Heppner—Flour  
 Heppner Planing Mill, Heppner—Lumber  
 Herald Printing Co., Albany—Printing and Bookbinding  
 Herman & Goelitz, 255 Holladay Ave., Portland—Candy  
 Hess Furnace Mfg. Co., 304 Oak, Portland—Furnaces  
 Hesse-Ersted Iron Works, E. 8th & Taylor, Portland—Foundry  
 Heyd & Co., Frank, Tillamook—Sash and Doors  
 Hickey & Mescher, Cottage Grove—Lumber  
 Hickman, C. L., Willamina—Lumber  
 Highland Milling Co., Hood River—Flour  
 Higgins Mfg. Co., 1912 E. Glisan, Portland—Cedar Chests and Cabinets  
 Highway Cigar Co., Hood River—Cigars  
 Hill Bros., Dexter—Lumber  
 Hill, Cart, McMinnville—Lumber  
 Hills Creek Lumber Co., Jasper—Lbr.  
 Hillsboro Power & Investment—Hillsboro—Pipes  
 Hillsboro Sash Door & Planing Mill, Hillsboro—Sash and Doors  
 Hiner Foundry & Machine Co., Tillamook—Foundry  
 Hippey, E., 224 Oak, Portland—Machine Shop  
 Hirsch-Weis Mfg. Co., 205 Burnside, Portland—Garments, Awning s, Tents  
 Hirschberger Co., H. 247 Ankeny, Portland—Sheet Metal Works  
 Hetchings, S. S., Newport—Cigars  
 Hockema Bros., Junction City—Lbr  
 Hockley, Fred, Elmira—Lumber  
 Hoeffler, H. R., Astoria—Candy and Ice Cream  
 Hoffman Evaporating Co., J. N., Forest Grove—Evaporated Fruits  
 Holland & Clausner, Crow—Lumber  
 Holliday Creamery, Klamath Falls—Creamery and Butter  
 Holly Milk & Cereal Co., Amity—Milk Condenser  
 Holly Press, 66½ 1st, Portland—Printing and Bookbinding  
 Holman Co., Edw., 3d and Salmon, Portland—Caskets  
 Holstein Creamery Co., Tillamook—Cheese  
 Holt-Chase Canning Co., Myrtle Point—Canned Fruits and Vegetables  
 Home Creamery Co., 261 Russell, Portland—Creamery  
 Hood River Apple Vinegar Co., Hood River—Cider and Vinegar  
 Hood River Bakery, Hood River—Bakery  
 Hood River Box Co., Hood River—Boxes  
 Hood River Canning Co., Hood River—Canned Fruits and Vegetables  
 Hood River Cigar Co., Hood River—Cigars  
 Hood River Creamery, Hood River—Creamery  
 Hood River Spray Co., Hood River—Sprays  
 Hoody Peanut Butter Co., E. Oak and 8th, Portland—Peanut Butter  
 Hoovers Bakery, 454 Washington, Portland—Bakery  
 Hopkins & Son, D. B., Eugene—Lumber  
 Hornschuch, T. R., Hebo—Lumber  
 Horst Co., E. Clemens, Independence—Evaporated Fruits  
 Horton Lumber Co., B. J., Horton—Lumber

## MANUFACTURERS IN OREGON—Continued

- Hosford & Grant, Cushman—Fish Packing  
 Hoskins & DeSart, Donald—Brick and Tile  
 Howard-Cooper Corp., E. 3d and Hawthorne, Portland—Machinery  
 Howard Lumber Co., Astoria—Lumber  
 Hubbard Creamery Co., Hubbard—Ice and Creamery  
 Hubbs Planing Mill, Silverton—Lbr  
 Hudson Bay Co-Operative Creamery, Umapine—Creamery  
 Hudson Bay Fur Co., 374 Morrison, Portland—Furs  
 Hudson-Donovan, E. 7th and Couch, Portland—Candy  
 Hughes, F. L. Philomath—Lumber  
 Hult Lumber Co., Mulino—Lbr  
 Humberg Mfg. Co., Mt. Angel—Lumber and Handles  
 Humphrey Bros., Jasper—Lumber  
 Hunger Bros., Banks—Lumber  
 Hunt Bros. Packing Co., Salem—Canned Fruit and Vegetables  
 Hunt, H. W., Banks—Lumber  
 Huntington Rubber Mills, Nevada and Macadam, Portland—Rubber Goods  
 Huntley, J. W. Donald—Lumber  
  
 Ice & Cold Storage Co., Medford—Ice  
 Idan-Ha Orchard Co., Nyssa—Evaporated Fruits  
 Ideal Bakery, Roseburg—Bakery  
 Illihee Mill & Mfg. Co., Oakland—Handles  
 Imbler Box & Lumber Co., Imbler—Boxes  
 Imperial Cigar Factory, Astoria—Cigars  
 Imperial Creamery, 281 First, Portland—Butter  
 Independence Creamery, Harrisburg—Cheese  
 Independence Creamery, Independence—Creamery  
 Independent Cracker Co., 428 E. Davis, Portland—Biscuits and Crackers  
 Independent Foundry Co., 23rd & York, Portland—Foundry  
 Independent Printing Co., 208 Alder, Portland—Printing and Bookbinding  
 Independent Warehouse & Milling Co., Wasco—Flour  
 Ingram & James, R. 4, Lebanon—Lbr  
 Ingram & Loftin, Lebanon—Lumber  
 Inland Lumber Co., Klamath Falls—Lumber  
 Inland Lumber Co., Dairy—Lumber  
 Inman-Chase Lumber Co., Springfield—Lumber  
 Inman-Paulsen Lumber Co., ft. of E. Caruthers, Portland—Lumber  
 International Lumber Co., Elmira—Lumber  
 Irvington Machine Works, 375 E. 6th N., Portland—Box Factory Specialties  
 Irwin-Hodson Co., 115 N. 15th, Portland—Rubber Stamps, Printing and Bookbinding  
 Island Lumber Co., St. Helens—Lbr  
 Ivy Press, 383 Stark, Portland—Printing and Bookbinding  
  
 J. K. Mfg. Co., 311 N. 16th, Portland—Kitchen Furniture  
 Jackson County Creamery, Medford—Ice and Creamery  
 Jackson Lumber Co., Myrtle Creek—Lumber  
 Jacobs, Julius T., Astoria—Lumber  
 Jacobs Hat & Cap Works, Phoenix Bldg., Portland—Caps, Cloth  
 Jacobs & Hess Lumber Co., Union—Lumber and Boxes  
 Jacobs Shirt Co., Raleigh Bldg., Portland—Men's Shirts  
 Jaeger Bros., 131 6th, Portland—Jewelry  
 James, Kerns & Abbott, N. 9th & Flinders, Portland—Printing and Bookbinding  
 Janke's Confectionery, 951 Union Ave., North Portland—Candy  
 Jantzen Knitting Mills, E. 20th and Sandy Blvd., Portland—Woolen Goods, Garments, Ladies and Children's  
 Jantzer & Sons, Azalea—Lumber  
 Jefferson Mill Co., Jefferson—Flour  
 Jeffs, W. O., Scappoose—Lumber  
 Jenks, L. R., Azalea—Lumber  
 Jess, Beacher, Port Orford—Lumber  
 Jewett Mill, Gardiner—Lumber  
 J. & L. Manifold Mfgs., Portland—Gas Saving Device for Autos  
 Johanson Bros., Astoria—Cigars  
 Johnson Bros., Cornelius, R. 2—Lbr  
 Johnson, F. O., Philomath—Lumber  
 Johnson Cider Palace, H. A., 247 Yamhill, Portland—Cider  
 Johnson E. E., Coquille—Lumber and Lath  
 Johnson, Frank, 180 Union Ave., Portland—Cabinets and Fixtures  
 Johnson, C. McC., Reedsport—Lumber  
 Johnson, M., Blachly—Lumber  
 Johnson & Drynan, 201 Artisans Bldg., Portland—Ladies Garments  
 Johnston Lumber Co., Applegate—Lumber  
 Johnston Shingle Co., Vernonia—Shingles  
 Jones Bros. & Co., 64 Albina Ave., Portland—Vinegar and Beverages  
 Jones Lumber Co., 1280 Macadam, Portland—Lumber  
 Jonsrud & Gunderson Lumber Co., Boring, R. 2—Lumber  
 Jordan Cheese Factory, Scio—Cheese  
 Joseph Milling Co., Joseph—Flour  
 Josephine Lumber Co., Grants Pass—Lumber  
 Josephine Mill, Grants Pass—Flour  
 Junction City Creamery, Junction City—Creamery  
 Jungwirth, F. W., Lyons—Lumber  
  
 K. & C. Lumber Co., Doris, Calif—Lumber  
 Kaake & Jubb, Estacada—Lumber  
 Kalles & Sons, Phoenix Bldg., Portland—Cloaks, etc.  
 Karlson, K. E. & Co., 450 Burnside, Portland—Appliances, Surgical and Deformity.  
 Kaufman, L. C., Medford—Cigars  
 Kautz Mfg. Co., 26th & Nicolai, Portland—Lumber, Sash and Doors, Cabinets and Fixtures

## MANUFACTURERS IN OREGON—Continued

- Kay Woolen Mill Co., Thos., Salem—Woolen Goods  
 Keating Milling Co., Keating—Lbr  
 Keeler Bros. Sawmill, Bandon—Lbr  
 Keith Lumber Co., Umpqua—Lbr  
 Keller Harness Co., The, 49 N. 6th, Portland—Saddlery, Harness and Collars  
 Keller, the Art Man, 450 Washington, Portland—Frames and Pictures  
 Kelly Co., Fred L., 88 1st, Portland—Advertising Novelties  
 Kelly, F. G., Warrenton—Lumber  
 Kennedy Bottling Co., Marshfield—Beverages  
 Kenworthy, N. A., Friend—Lumber  
 Kern Brick Co., L. E., 1027 Tillamook, Portland—Brick and Tile  
 Kern & Co., A. E., 215 Fourth, Portland—Printing and Bookbinding  
 Kerr, Gifford & Co. Inc., Lewis Bldg., Portland—Cereals, Flour  
 Key Lumber Co., Molalla—Lumber  
 Key Lumber Co., Wallowa—Lumber  
 Keystone Press, 100½ Front, Portland—Printing and Bookbinding  
 Kilbey Planing Mill—Lakeview—Lbr  
 Kilham Stationery & Printing Co., 5th & Oak, Portland—Printing and Bookbinding  
 Kincaid Sawmill, Long Creek—Lbr  
 King Bros. Boiler Works, 663 Lafayette at 18th, Portland—Boiler and Steel Tanks  
 King, Joseph, 1011 Belmont, Portland—Cigars  
 King Fisher Mattress Co., 478 Albina Ave., Portland—Bed Springs and Mattresses  
 Kings Food Products Co., Salem—Fruit and Vegetable Evaporating  
 Kings Food Products Co., The Dalles—Fruit and Vegetable Evaporating  
 Kirby, D. C., Sheridan—Lumber  
 Kirk Lumber Co., Kirkford—Shingles and Lumber  
 Kitterman & Son, H. B., Kerby—Lbr  
 Kitts, W. H., Dairy—Lumber  
 Klahn Co., S. B., 1609 Wabash Ave., Portland—Leather Goods  
 Klamath Creamery Co., Klamath Falls—Creamery  
 Klamath Ice & Storage Co., Klamath Falls—Ice  
 Klamath Iron & Steel Works, Klamath Falls—Foundry  
 Klamath Lumber & Box Co., Klamath Falls—Boxes and Lumber  
 Klauck, Frank, Willamina—Lumber  
 Kleist & Co., Commonwealth Bldg., Portland—Bookbinding  
 Knauer, W. B., Bradford and Erie, Portland—Furniture  
 Knight Packing Co., 474 E. Alder, Portland—Vinegar, Pickles, Preserves, Jams, Jellies, Sauerkraut, Canned Fruit and Vegetables  
 Knitzley & Hill, Dexter—Lumber  
 Knotts Sawmill, Pilot Rock—Lbr  
 Koberstein, Karl, 243 Ash, Portland—Cigars  
 Koberstein, S. R., Gaston—Lumber  
 Kolbet & Powers, Elmira—Lumber  
 Kollock Mfg. Co., 652 2nd, Portland—Furniture  
 Komning Bros., Scappoose—Lumber  
 Koontz Harness Co., The, 110 1st, Portland—Saddlery, Harness and Collars  
 Kramer, W. P., 201 Couch Bldg., Portland—Tailor  
 Kratz Shingle Co., Henry, Clatskanie—Shingles  
 Krebs Bros., 242 Stark, Portland—Stamps, Rubber  
 Krieger, A., Estacada, R. 1.—Shingles  
 Kruse, A. E., Klamath Falls—Lumber  
 Kruse & Banks Shipbuilding Co., North Bend—Boats and Wood Ships  
 Kubli-Howell Co., 84 Fourth, Portland—Printing and Bookbinding  
 Kuhl Bros., Mill, Prairie City—Lbr  
 L. C. Cloak & Suit Co., 304 Phoenix Bldg., Portland—Garments  
 La Bellview Co., Granite—Lumber  
 La Creole Canning Co., Dallas—Fruit Canning  
 La Fayette Canning Co., La Fayette—Canned Fruits and Vegetables  
 La Gran Marca Cigar Co., 92½ 6th, Portland—Cigars  
 La Grande Beverage Co., La Grande—Beverages  
 La Grande Brick Yard, La Grande—Brick and Tile  
 La Grande Iron Works, La Grande—Foundry  
 La Grande Milling Co., La Grande—Flour  
 La Grande Pipe Co., Island City—Concrete Pipe  
 Laher Auto Springs, 31 N. 15th, Portland—Auto Springs  
 Lais, A. J., Molalla—Lumber  
 Lakeside Lumber Co., Klamath Falls—Sash and Doors  
 Lakeview Creamery, Lakeview—Creamery  
 Laksonen Mill & Lbr. Co., Lakeside—Lumber  
 Lambert Bakery, 185 3rd, Portland—Bakery  
 Lambrecht, Jas. J., Stayton—Cigars  
 Lamm Lumber Co., Modoc Point—Lumber  
 Lammers Bros., Cottage Grove—Lbr.  
 Landess Bros., Sawmill, Chitwood—Lumber  
 Landwing-Herman, Scotts Mills—Lbr  
 Lane County Creamery, Eugene—Creamery  
 Lang, Matt, 537 Milwaukie, Portland—Cigars  
 Lang & Co., 1st and Ankeny, Portland—Peanut Butter, Coffee, Spices and Extracts, Brooms and Candy  
 Lange-Erickson, 111 Twelfth, Portland—Bookbinding  
 Lange, Robt., 467 E. Market, Portland—Cigars  
 Langell Lbr. Co., Langells Valley—Lumber  
 Langells Valley Cheese Factory—Langells Valley—Cheese  
 Langlois Dairy Products Co., Langlois—Cheese  
 Langlois Sawmill, Langlois—Lumber  
 La Pine Creamery, La Pine—Creamery  
 Lara & Co., 53 4th, Portland—Extracts, Spices  
 Larkins & Son, C. N., Hoff—Lumber

## MANUFACTURERS IN OREGON—Continued

- Laro Lumber Co., Blodgett—Lumber  
 Laube Bros., Rainier—Shingles  
 Lawrence, E. H., Klamath Falls—Cigars  
 Lawrence Co., The Geo., 1st and Oak  
 Portland—Saddlery and Harness  
 Layton Cooperage Co., 307 Water,  
 Portland—Barrels and Casks  
 Leach Bros. & Co., Hood and Caruthers,  
 Portland—Sash Weights Foundry  
 Leach-Ingson, Reedsport—Boats  
 Leavenhagen, P. C., Elkton—Lumber  
 Lebanon Creamery Co., Lebanon—Ice  
 and Creamery  
 Lebanon-Santiam Lumber Co., Lebanon—Lumber  
 Leber Lumber Co., Elmira—Lumber  
 Lee Cheese Factory, Lee—Cheese  
 Lee Lumber Co., Cherry Grove—Lbr  
 Lehmann Co., Geo. A., 161 Russell,  
 Portland—Macaroni, Spaghetti, etc.  
 Leis, B., Beaverton—Vinegar  
 Leisure & Van Bebbler 1506 Macadam,  
 Portland—Saddle Trees and Saddlery  
 Leland Lumber Co., Leland—Lumber  
 Leona Mills Lumber Co., Leona—Lbr  
 Leopold-Volpel & Co., 107 E. 70th,  
 North Portland—Engineer's instruments  
 Lesh Bakery, Corvallis—Bakery  
 Lewis, J. L., Glendale—Lumber  
 Lewis, W. E., La Grande—Lumber  
 Lewis & Bolter, Holbrook—Lumber  
 Lewis & Clark Cigar Co., 1168 Division,  
 Portland—Cigars  
 Lewis & Peters Lumber Co., Veneta—Lumber  
 Lexington Roller Mills, Lexington—Flour  
 Libby-McNeil & Libby, The Dalles—Canned  
 Fruit and Vegetables  
 Liebes & Co., H. 149 Broadway, Portland—Garments  
 Ligett & Austin, Shedd—Lumber  
 Lincoln & Allen, 112 1st, Portland—Printing  
 and Bookbinding  
 Lindsay Bros., Sawmill, La Grande—Lumber  
 Linn & Sons, A. B. Wapinitia—Lbr  
 Lipschuetz & Katz, 304 Pine, Portland—Dolls, etc  
 Log Cabin Baking Co., 265 Ivy, Portland—Bakery  
 Long Creek Flour Mill, Long Creek—Flour  
 Long Prairie Creamery Co., Tillamook—Cheese  
 Long Sawmill, S. A., Bandon—Lbr  
 Loud Mfg. Co., Springfield—Sectional  
 Houses  
 Lowengart & Co., 11 N Broadway, Portland—Hats  
 Lower Columbia Dairymen's Assn., Astoria—Creamery and Butter  
 Lowman, W. B., Rainier—Lumber  
 Lowman-Wilson, Apiary—Lumber  
 Luckel, King & Cake Soap Co., 648 Hood, Portland—Soap  
 Luckiamute Sawmill, Falls City—Lbr  
 Ludwigs Sawmill, Mitchell—Lumber  
 Lumber Products Co., 1454 Macadam, Portland—Lumber and Ladders  
 Lundy Cheese Co., Myrtle Point—Cheese  
 Lurie Mfg. Co., 73 6th, Portland—Lumber  
 Lusterol Mfg. Co., 4610 Woodstock Ave., Portland—Furniture Polish  
 Lutke Mfg. Co., 6th and Hoyt, Portland—Cabinets and Fixtures  
 Lynch & Son, Geo., Lakeview—Lbr  
 Lyons Milling Co., Gaston—Flour  
 Lystul & Lawson Lbr. Co., Glendale—Lumber  
 M. & M. Woodworking Co., 800 Multnomah, Portland—Sash and Doors  
 Mac-Dry Battery Co., 132 Broadway, Portland—Dry Batteries  
 Macleay Estate, Wedderburn—Cannery, Creamery, Cheese and Lumber  
 MacLaren Cheese Agency, 459 E 13th, Portland—Cheese  
 Macpherson Bakery, La Grande—Bakery  
 Madison, Geo. D., Kellogg—Lumber and Shingles  
 Madras Flour Mills, Madras—Flour  
 Maeder Steel Products Co., 617 Vaughan, Portland—Structural Steel  
 Maitland, Frank, R. 2, Gaston—Lbr  
 Maitland & Son, Gaston—Lumber  
 Malcolm Mill, Alpine—Lumber  
 Malheur Lumber Co., Malheur City—Lumber  
 Malin Milling Co., Malin—Flour  
 Manchester Box & Lbr. Co., The Dalles—Lumber and Boxes  
 Mangold & Strauss, 165 Union Ave., N., Portland—Handles  
 Mansfield Box Co., Roseburg—Boxes  
 Maple Grove Cheese Factory, Beaver—Cheese  
 Maple Grove Lumber Co., Wilsonville—Lumber  
 Maple Leaf Creamery Assn., Tillamook—Cheese  
 Maplewood Creamery, 266 Couch, Portland—Creamery  
 Marion Creamery & Produce Co., Salem—Creamery  
 Mark, L. J., Eagle Point—Lumber  
 Marsh Printing Co., 122½ Front, Portland—Printing and Bookbinding  
 Marshall, J. D. R. 1, Hoff—Lumber  
 Marshall Mfg. Co., James I., 452 Hoyt, Portland—Cabinets and Fixtures  
 Marshfield Cannery, Marshfield—Canned Fish  
 Martin Bros Inc., Klamath Falls—Flour  
 Martin Candy Co., Marshfield—Candy  
 Martin, J. S., Sawmill, Alpine—Lbr  
 Martin Lumber Co., W. A., Jefferson—Lumber  
 Mason-Ehrman Co., 50 Everett, Portland—Coffee, Spices, Extracts, Etc  
 Massey Sawmill, Fred, Broadbent—Lumber  
 Masten Lumber Co., J. N., La Pine—Lumber  
 Mathews, G. F., ft. of McKenna Ave., Portland—Boats and Wood Ships  
 Mathews & Brown, Falls City—Lbr  
 Mathews, L. P., Mist—Lumber  
 Mathewson Mill, Fossil—Shingles  
 Matson, Ole, Yamhill—Lumber  
 Mattingly Mill, Antone—Lumber  
 Mattlock, A. M., Dallas—Lumber

## MANUFACTURERS IN OREGON—Continued

- Maupin Milling Co., Maupin—Flour  
Maurer & Sexton, Twin Rocks—Shingles  
Maury Mountain Sawmill, Held—Lbr  
Maxam Shirt & Garment Co., 420 Washington, Portland—Men's Shirts  
Mc A-B Cookie Co., 131 E. 18th, Portland—Cookies and Cakes  
McBee & Spandenburg, Trent—Lbr  
McCall & Ross, Banks—Lumber  
McCann & Frydendall, Manning—Lbr  
McCarthy & Hamlet, Barton—Lumber  
McClanahan Incubator Co., Eugene—Incubators and Brooders  
McClellan, F. Y., West Stayton—Lbr  
McCollum & Son, Geo., Keno—Lbr  
McComas, C. W., Pendleton—Lumber  
McCormack Concrete Co., 888 Union Ave., Portland—Trays  
McCourt, Aubrey, Albany—Cigars  
McCreery Mfg. Co., The Royal Annex, Portland—Ladies' Apparel  
McDonald Bros., Deer Island—Lbr  
McDonald & Wyncoop, 2d and Madison, Portland—Sheet Metal  
McDowall Bros., Richland—Lumber and Boxes  
McFadden, C. F., Hillsboro—Cigars  
McFarlane Bros., Manning—Lumber  
McGowan's Cannery, Warrendale—Canned Fish  
McHugill, Geo., Oakland—Lumber  
McIntyre & Silven, Baker—Overalls  
McKinley-Hampson Lumber Co., Bend, Box 807—Lumber  
McMillan Bros., Willamina—Lumber  
McMinnville Brick & Tile Co., McMinnville—Brick and Tiles  
McMinnville Creamery, McMinnville—Creamery  
McMinnville Ice Co., McMinnville—Ice  
McMonies & Co., W. H., 375 E. 6th, Portland—Saddlery, Harness, Collars, Saddle Trees  
McPherson Bros., Berlin—Lumber  
McPherson Co., The W. G., 19th and Wilson, Portland—Sheet Metal  
Mealy Bros., Foster—Lumber  
Meda Creamery Co., Cloverdale—Cheese  
Medford Concrete Construction Co., Medford—Cement Products  
Medford Ice & Storage Co., Medford—Ice  
Medford Iron Works, Medford—Foundry  
Medford Planing Mill, Medford—Lumber, Sash and Door  
Medford Soda Works, Medford—Beverages  
Medford Tent & Awning Co., Medford—Awnings and Tents  
Menefee Lumber Co., L. B., North Portland—Lumber and Shingles  
Meinel, Alfred, Mountindale—Lbr  
Menzin & Fulop, 4th and Couch, Portland—Blouse Factory  
Merrick Lumber Co., Gaston—Lumber  
Merrill Creamery, Merrill—Creamery  
Mespelt, F. W., R. 4, Scio—Lbr  
Metal Products Co., 1002 E. Fessenden, Portland—Aluminum Ware  
Metropolitan Hat & Cap Mfg. Co., 131½ 2nd, Portland—Cloth Caps  
Metropolitan Printing Co., 211 Oak, Portland—Bookbinding  
Miami Valley Creamery Co., Garibaldi—Cheese  
Michaelson-Mayson Inc., 5433 Foster Rd., Portland—Furniture  
Midgley Planing Mill Co., Eugene—Lumber  
Mildman Cigar Co. Inc., 43½ E. 3d, Portland—Cigars  
Mill Made Construction Co., Williams Ave. and Farragut, Portland—Lbr  
Milldale Milling Co., Drewsey—Lumber and Shingles  
Miller, Ben H., Tidewater—Lumber and Shingles  
Miller, C. M., Turner—Lumber  
Miller Sawmill, Hugh, Oakland—Lbr  
Miller, W. J., Alpine—Lumber  
Miller, W. L., Cottage Grove—Lbr  
Miller Willis, Junction City—Lumber  
Miller Bros. Flour Mill, Milton—Flour  
Miller-Steinau, Globe Bldg., Portland—Agate Products  
Milliken, Carl L., 1734 11th, Baker—Cigars  
Mills & Co., E. J., Birkenfeld—Shingles  
Milton Box Co., Milton—Boxes  
Milton Ice & Cold Storage Co., Milton—Ice  
Minam Lumber Co., Minam—Lumber  
Minsky Sawmill, Frank, Rose Lodge—Lumber  
Mistland Bakery, Salem—Bakery  
Mitchell Ladder Co., Medford—Ladders  
Mitchell Lumber Co., Banks—Lumber  
Model Baking Co., Roseburg—Bakery  
Modern Hat Works, 422 Washington, Portland—Hats  
Modern Printing & Publishing Co., 86 Broadway, Portland—Printing and Bookbinding  
Modoc Lumber Co., Modoc—Lumber  
Moehnke Bros., Hoff—Lumber  
Mohawk Lumber Co., Mohawk—Lbr  
Mohler Creamery Co., Mohler—Cheese  
Monarch Fire Clay Co., Linnton Rd., —Fire Brick  
Monarch Lumber Co., North Portland—Lumber  
Monitor Flour Mills, Woodburn—Flour  
Monmouth Co-operative Creamery Co., Monmouth—Creamery  
Monner, Wm., Oregon City—Lumber  
Montague Stove Works, 101 N. Columbia Blvd., Portland—Stoves  
Montavilla Ice Co., 1995½ E. Stark, Portland—Ice  
Monterastelli Marble Granite Works, Pendleton—Marble Works  
Moomaw, J. C., Hubbard—Lumber  
Moore, D. M., Gold Beach—Cheese  
Moore Dry-Kiln Co., North Portland—Dry Kiln Equipment  
Moore, J. M., Stayton—Lumber  
Moore, Fred, Marshfield—Shingles  
Moore Baking Co., Grants Pass—Bakery  
Moore Mill & Lumber Co., Bandon—Lumber  
Moore's Cigar Factory, Jas. L., Astoria—Cigars

## MANUFACTURERS IN OREGON—Continued

- Morales, M., 5 Union Ave., Portland—Machine Bits  
 Morgan Razor Works, 212 1st, Portland—Razors and Razor Strops  
 Moore & Closser, Crow—Lumber  
 Morris Co., A. R., 3d and Hoyt, Portland—Cheese  
 Morrow County Creamery, Heppner—Creamery  
 Mt. Angel Brick & Tile Co., Mt. Angel—Brick and Tile  
 Mt. Angel Creamery & Ice Co., Mt. Angel—Creamery  
 Mt. Hood Ice Cream Co., 230 E. 6th, Portland—Ice Cream  
 Mt. Hood Lumber Co., Parkdale—Lumber and Boxes  
 Mt. Hood Soap Co., 270 ½ Glisan, Portland—Soap  
 Mt. Hood Soda Water Works, 648 Second, Portland—Beverages  
 Mt. Rest Sawmill, John Day—Lbr  
 Muir & McDonald Co., Dallas—Tannery  
 Mulino Flour Mills, Mulino—Flour  
 Multnomah Auto Top Co., 540 Alder, Portland—Auto Tops  
 Multnomah Bakery, 489 N. Union Ave., Portland—Bakery  
 Multnomah Chemical Co., 371 E. Morrison, Portland—Soap  
 Multnomah Furniture Co., 888 Union Ave. N., Portland—Furniture  
 Multnomah Iron Works, 30th and Nicolai, Portland—Drag Saws  
 Multnomah Lumber & Box Co., ft. of Bancroft Ave., Portland—Lumber, Boxes and Baskets  
 Multnomah Metal Co., 312 Front, Portland—Metal Solder  
 Multnomah Printing Co., 68 ½ First, Portland—Bookbinding  
 Multnomah Trunk & Bag Co., 84 E. Water, Portland—Trunks, Traveling Bags and Suitcases  
 Mulvany's Sawmill, Wamie—Lumber  
 Murphy-Gardiner Lumber Co., Stayton—Lumber  
 Murphy Sawmill, Stayton—Lumber  
 Murphy Timber Co., Yeon Bldg., Portland—Lumber  
 Murphy, Pat. R. 3. Banks—Lumber  
 Murrey, A. R., Enterprise—Lumber  
 Mutual Creamery Co., Astoria—Ice Cream and Creamery  
 Mutual Creamery Co., Baker—Creamery  
 Mutual Creamery Co., Halfway—Cheese  
 Mutual Creamery Co., 72 E. 7th, Portland—Creamery and Ice Cream  
 Myrtle Creek Flour Mill, Myrtle Creek—Flour  
 Myrtle Point Creamery Co., Myrtle Point—Cheese  
 Myrtle Point Shingle Co., Myrtle Point—Shingles  
 Myrtlewood Creamery, Coquille—Cheese  
 Nagel, Chas. F., 368 Russell, Portland—Cigars  
 National Appliance Co., 935 Sandy Blvd., Portland—Metal Works  
 National Broom Mfg. Co., 93 Union Ave., Portland—Brooms  
 National Cold Storage & Ice Co., 309 E. Washington, Portland—Ice  
 National Fire Proof Lumber Co., Mt. Angel—Granite and Marble  
 National Mfg. Co., 392 Morrison, Portland—Ladies' Waists  
 National Stamp & Seal Works, 250 Oak, Portland—Stamp Works  
 National Tank & Pipe Co., 275 Oak, Portland—Barrels, Casks and Silos  
 Nebergall Meat Co., D. E., Albany—Meat Packing  
 Nehalem Lumber Co., Birkenfeld—Lumber  
 Nehalem Shingle Co., Kerry—Shingles  
 Nelson, Frank, Newberg, R. 3—Lbr  
 Nelson's Ladder Works, 267 2nd, Portland—Ladders, Cabinets and Fixtures  
 Neskowin Dairy Assn., Neskowin—Cheese  
 Nestle's Food Co., Inc., Chamber of Commerce Bldg., Portland—Milk Condenser  
 Nestucca Lumber Co., Cloverdale—Lumber  
 Neustadter Bros., 301 Ankeny, Portland—Men's Garments  
 Newberg Creamery Co., Newberg—Creamery  
 Newberg Iron Works, Newberg—Foundry  
 New Haven Carriage Works, 304 Everett, Portland—Wagons, Auto and Truck Bodies  
 New York Plating Works, 113 Grand Ave., Portland—Plating  
 Nibley-Minnaugh Lumber Co., Walilowa—Lumber and Boxes  
 Nicolai Door Mfg. Co., Kenton Station, Portland—Lumber, Sash and Doors  
 Nicolai-Neppach Co., 227 Davis, Portland—Lumber, Sash and Doors  
 Nielsen, Lewis, Gales Creek—Lbr  
 Nine Bros. Lumber & Sawmill, Klamath Falls—Lumber  
 Nitschke-Andraes Co., 309 E. 11th, Portland—Lawn Furniture  
 Noble, E. G., Heppner—Saddlery, Harness and Collars  
 Non-Skid Brake Rod, C & A 187 Columbia, Portland—Auto Non-Skid Brakes  
 Noon Bag Co., W. C., 34 N. 1st, Portland—Bags and Burlap  
 Norman Ice Cream Factory, The Dalles—Ice Cream  
 North Bend Iron Works, North Bend—Foundry  
 North Bend Mill & Lumber Co., North Bend—Lumber  
 North Pacific Spike Co., 4th and Hoyt, Portland—Iron Spikes, Nuts and Bolts  
 North Plains Lumber Co., North Plains—Lumber  
 North Portland Box Co., North Portland—Lumber, Boxes and Woodenware  
 North Powder Milling & Merchantile Co., North Powder—Flour  
 Northern Pacific Lumber Co., ft. of Sherlock Ave., Portland—Lumber  
 Northwest Blow Pipe Co., 554 Delay, Portland—Sheet Metal

## MANUFACTURERS IN OREGON—Continued

- Northwest Box Co., Park Rose, Portland, R. F. D. A.—Boxes  
 Northwest Brass Foundry, 369 Grand Ave., Portland—Brass, Copper and Aluminum Castings  
 Northwest Bridge & Iron Co., ft. of Sheridan, Portland—Structural Steel, Bolts and Nuts  
 Northwest Fence & Supply Co., 52 Union Ave., Portland—Ornamental Iron and Wire  
 Northwest Fence & Wire Works, N. 10th and Flanders, Portland—Ladders  
 Northwest Mfg. Co., 240 E 7th, Portland—Auto Specialties  
 Northwest Metal Products, E. Water, and Taylor, Portland—Sheet Metal  
 Northwest Planing Mill, 554 E. 10th, Portland—Sash and Doors  
 Northwest Potato Starch & Milling Co., Gresham—Starch  
 Northwest Products Co., Salem—Fruit Preserving  
 Northwest Rug Works, 188 E. 8th, Portland—Rugs  
 Northwest School Furniture Co., 244 3d, Portland—School and Church Furniture  
 Northwest Steel Co., ft. of Sheridan, Portland—Steel Shipbuilding  
 Northwest Stove Works, 260 E. 6th, Portland—Foundry  
 Northwestern Granite Co., Haines—Granite and Marble  
 Northwestern Metal Ware Co., 201 Water, Portland—Sheet Metal and Stove Manufacturing  
 Northwestern Roller Mills, Milton—Flour  
 Norway Cheese Factory, Norway—Cheese  
 Nylund & Co., John, Cherry Grove—Lumber  
 Nyssa Flour Mill, Nyssa—Flour  
 Oak Creek Lumber Co., Corvallis—Lbr  
 Oak Grove Creamery, Scappoose—Creamery  
 Oakridge Co., Oakridge—Lumber  
 O'Bryant Grain Co., Baker—Feed  
 Ocean View Cheese Factory, Langlois—Cheese  
 Oeder, Tompkins & Wallace, Siltcoos—Lumber  
 Oerding Mfg. Co., Coquille—Boxes and Wood Novelties  
 Ohlen-Bishop Co., 288 E. Morrison, Portland—Lumber  
 Ohler Bros., Timber—Shingles  
 O. K. Rose City Wrecking Co., 12th and Everett, Portland—Lumber  
 Old Fashioned Cereal Co., 241 Holladay Ave., Portland—Cereal  
 Olson, Ole T., Comstock—Shingles  
 Olson & Jordan, 459 Washington, Portland—Furniture Upholstering  
 Olympia Cereal Mill, E. 1st and Washington, Portland—Cereal  
 Ontario Concrete Pipe Co., Ontario, Concrete Pipe  
 Oregon Artificial Limb Co., 2d and Taylor, Portland—Artificial Limbs  
 Oregon Bag Co., 53 N. 2d, Portland—Burlap Bags  
 Oregon Bag & Suitcase Mfg. Co., 153 4th, Portland—Trunks, Travelling Bags and Suitcases  
 Oregon Bakery, Pendleton—Bakery  
 Oregon Bakery, The Dalles—Bakery  
 Oregon Bone Meal Works, Lents Station, Portland—Bone Meal and Fertilizer  
 Oregon Box & Mfg. Co., 1144 Macadam, Portland—Lumber and Boxes  
 Oregon Brass Works, 73 N 2d, Portland—Foundry  
 Oregon Casket Co., 101 N. 5th, Portland—Caskets  
 Oregon Cement Pipe & Tile Co., Grants Pass—Cement Products  
 Oregon Chair Co., 1190 Macadam Road, Portland—Furniture  
 Oregon City Creamery, Oregon City—Creamery  
 Oregon City Foundry, Oregon City—Foundry  
 Oregon City Ice & Cold Storage Co., Oregon City—Ice  
 Oregon City Mfg. Co., Oregon City—Men's Shirts, Blankets, Garments and Woolen Goods  
 Oregon Cooperage Co., Portland, Box 156—Barrels and Casks  
 Oregon Creamery Co., 130 2d, Portland—Creamery and Cheese  
 Oregon Door Co., ft. of Spokane Ave., Portland—Lumber, Sash and Doors  
 Oregon Engraving Co., Pittcock Bldg., Portland—Advertising Cuts and Engravings  
 Oregon Export Lumber Co., Marshfield—Lumber  
 Oregon Face Brick Co., Willamina—Brick and Tile  
 Oregon Fan Belt & Mfg. Co., 142½ 2d, Portland—Belting and Leather  
 Oregon Fir Mill, Scappoose—Lumber  
 Oregon Fishing Spoon Co., 245 Morrison, Portland—Fishing Spinners  
 Oregon Flax Fiber Co., Turner—Flax Fiber  
 Oregon Fluff Rug Co., 1984 Stark, Portland—Rugs  
 Oregon Foundry Co., 60 Clark, Portland—Foundry  
 Oregon Garment Hanger Co., 1029 Union Ave., Portland—Garment Hangers  
 Oregon Grain Co., Turner—Flour  
 Oregon Granite Co., Medford—Granite and Marble  
 Oregon Growers Packing Corp., Yamhill—Packing  
 Oregon Handle Mfg. Co., Newberg—Handles  
 Oregon Iron & Steel Co., Oswego—Foundry  
 Oregon Lumber Co., Baker—Lumber and Boxes  
 Oregon Macaroni Mfg. Co., 67 E. 8th, Portland—Macaroni, Noodles, Vermicelli and Spaghetti  
 Oregon Mastic Floor Co., Worcester Bldg., Portland—Marble Floors  
 Oregon Milk Co., 180 Burnside, Portland—Condensory  
 Oregon Milk Producers Corp., 6th and Couch, Portland—Creamery  
 Oregon Milling & Warehouse Co., Independence—Flour

## MANUFACTURERS IN OREGON—Continued

- Oregon Mirror & Beveling Works, 103 N. 5th, Portland—Mirrors, Windshield Plates and Headlights  
 Oregon Packing Co., Salem—Fruit and Vegetable Cannery  
 Oregon Paper Box Factory, 245½ Stark, Portland—Paper Boxes  
 Oregon Pickle & Canning Co., Gresham—Pickle Cannery  
 Oregon Planing Mill, 224 2d, Portland  
 Lumber, Sash and Doors  
 Oregon Portland Cement Co., Oswego—Cement  
 Oregon Press Co., 320 Davis, Portland—Printing and Bookbinding  
 Oregon Pulp & Paper Co., Salem—Paper  
 Oregon Sheet Metal Works, 146 Front, Portland—Cooking Utensils  
 Oregon Wood Products Co., Salem—Handles  
 Oregon Wood Turning Co., Gresham—Handles  
 Oregon Worsted Co., Umatilla Ave. and 27th, Portland—Worsted Yarns and Fabrics  
 Orem & Son, Molalla—Lumber  
 Oretown Cheese Factory, Oretown—Cheese  
 Orewiller, Anderson, Sisters—Lbr  
 Orewiller & McCauley, Bend—Lumber  
 Orient Lumber Co., Gresham—Lbr  
 Osborne, C. E., Riddle—Lumber  
 Oshkosh Lumber Co., Mabel—Lumber  
 Otis Elevator Co., 13th and Burnside, Portland—Elevators  
 Overholser Lumber Co., Cottage Grove—Lumber  
 P. & D. Lumber Co., Corvallis—Lbr  
 Pacific Asbestos & Supply Co., 311½ Front, Portland—Asbestos Products  
 Pacific Blow Pipe Co., 116 E. 11th, Portland—Sheet Metal  
 Pacific Brass & Steel Foundry, 215 7th, Portland—Foundry  
 Pacific Car & Foundry Co., 219 E. 60th, Portland—Boilers and Steel Tanks  
 Pacific Coast Biscuit Co., 12th and Davis, Portland—Biscuits, Crackers and Candy  
 Pacific Coast Cone Co., 22 E. 8th, Portland—Ice Cream Cones  
 Pacific Coast Stamp Works, 63 Broadway, Portland—Rubber Stamps  
 Pacific Coast Syrup Co., 24 N. Front, Portland—Syrup  
 Pacific Cooperage Co., 20th and York, Portland—Barrels and Casks  
 Pacific Development Society, Astoria—Printing and Bookbinding  
 Pacific Face Brick Co., Willamina—Brick and Tile  
 Pacific Foundry & Machine Works, 439 Vancouver, Portland—Foundry  
 Pacific Iron Works, E. 29th & Clackamas, Portland—Structural Steel and Foundry  
 Pacific Ladder Works, 52 Union Ave., Portland Ladders  
 Pacific Lime & Gypsum Co., Lime-Kilns—Lime  
 Pacific Marine Iron Works, E. Water and Main, Portland—Boilers and Steel Tanks  
 Pacific Metal Co., 81 N. Park, Portland  
 Solder, Babbit and Type Metals  
 Pacific Pattern Works, 304 E. Morrison, Portland—Wood Patterns  
 Pacific Ore Reduction & Chemical Mfg. Co., Grants Pass—Ore Reducing and Chemical Manufacturing  
 Pacific Planing Mill Co., 602 Brooklyn, Portland—Lumber  
 Pacific Potato Starch Co., Beaverton—Starch  
 Pacific Products Co., 1091 Thurman, Portland—Bone Meal  
 Pacific Shingle Co., Siltcoos—Shingles  
 Pacific Soda Works, Oregon City—Beverages  
 Pacific Stationery & Printing Co., 107 2d, Portland—Printing and Bookbinding  
 Pacific Stoneware Co., Inc., 695 Sherlock Ave., Portland—Pottery  
 Pacific Tent & Awning Co., 1-3 N. 1st, Portland—Awnings and Tents  
 Pacific Tie & Timber Co., Lyons—Lumber  
 Pacific Wann Evaporating Co., Dallas—Dehydrated Fruits  
 Pacific Western Lumber Co., Glendale—Lumber  
 Packard-Pierce Fixture Co., 384 E. Stark, Portland—Electric Fixtures  
 Page, M. E., Clatskanie—Shingles  
 Paisley Flour Mill, Paisley—Flour  
 Palace Market, Bend—Sausage  
 Palm Olive Co., 20th and York, Portland—Cocoanut Oil  
 Palmer Co., Gene, 374 Hassalo, Portland—Perfumes, Etc.  
 Palmer Lumber Co., The Geo., La Grande—Lumber and Boxes  
 Paolo Bros. Co., Gaston, R. 2—Lbr  
 Papenfus, R., Trent—Lumber  
 Paragon Disc Wheel Co., 254 Hawthorne, Portland—Disc Wheels  
 Paramount Wooden Ware Mfg. Co., 652 2d, Portland—Toys  
 Paris Hat Mfg. Co., 387 Alder, Portland—Hats  
 Parker & Hamaker, Lumber Co., Olene—Lumber  
 Parker & Son, T. T., Amity—Lumber  
 Parker Sawmill, J. M., Burns—Lumber and Shingles  
 Parkersburg Cheese Factory, Bandon—Cheese  
 Parson's Sawmill, Forest Grove—Lbr  
 Partridge, G. M., Monmouth—Brick and Tile  
 Patton Automatic Co., 409 Oak, Portland—Auto Accessories  
 Peacock Mill Co., Freewater—Flour  
 Peake, the Shade Man, 127 12th, Portland—Shades  
 Pearl, Elmer, Brownsville—Lumber  
 Pedee Sawmill, Pedee—Lumber  
 Pedro Vegas Cigar Co., Astoria—Cigars  
 Peek Lumber Co., Wren—Lumber  
 Peerless Bakery, Salem—Bakery  
 Peerless Bakery, Oregon City—Bakery  
 Peerless Butter Co., 47 Front, Portland—Creamery  
 Pelican Bay Lumber Co., Klamath Falls—Lumber and Boxes  
 Pendergast, Frank, Harrisburg—Cigars

## MANUFACTURERS IN OREGON—Continued

- Pendleton Baking Co., Pendleton—Bakery  
 Pendleton Creamery Co., Pendleton—Creamery  
 Pendleton Flour & Grain Co, Pendleton—Flour and Feed  
 Pendleton Marble Works, Pendleton—Granite and Marble  
 Pendleton Iron Works, Pendleton—Foundry  
 Pendleton Roller Mills, Pendleton—Flour  
 Pendleton Woolen Mills, Pendleton—Shirts and Woolen Goods  
 Peninsula Foundry & Machine Works, Crawford and Alta, Portland—Foundry and Machine  
 Peninsula Lumber Co., ft. of McKenna, Portland—Lumber  
 Peninsula Pattern Works, Alta and Crawford, Portland—Patterns  
 Perfection Manufacturing Co, corner Macadam and Admiral Ave., Portland—Ice Cream Cones  
 Perkins & Stanton, Forest Grove—Lbr  
 Perrone, L. A., Broadbent—Lumber  
 Perry Veneer Co., Bandon—Veneer and Boxes  
 Perrydale Flouring Mill, Perrydale—Flour  
 Peters & Moseby, Cottage Grove—Lumber  
 Peters Golf Bag Co., E. P., 10 E 6th, Portland—Golf Bags, Etc  
 Peterson, Carl, 383 E. Pine, Portland—Auto Bodies  
 Peterson, E. E., Seaside—Ice  
 Pettit Feather & Bedding Co., 177 York, Portland—Mattresses  
 Pfaff & Calkins, 472 Hawthorne, Portland—Bakery  
 Phengser Lumber Co., P. W., Fort Klamath—Lumber  
 Phillips Mill, M. V., Cottage Grove—Lumber  
 Phoenix Iron Works, E. 3rd and Hawthorne Ave., Portland—Steel Tanks and Foundry  
 Pidcock & Hazel, 145 First, Portland—Wall Boards and Paints  
 Pickett & Sons, J. R., Azalea—Lbr  
 Pierce E. Shingle Mill, Sandy—Shingles  
 Pierson I. N., Willamina—Lumber  
 Pietrock, Phillip, Scio—Lumber  
 Pike Tent & Awning Co., 107 N. 3rd, Portland—Awnings and Tents  
 Pine Box Co., Grants Pass—Boxes  
 Pioneer Boat Yard, Marshfield—Boats  
 Pioneer Flouring Mill, Island City—Flour  
 Pioneer Library Bindery, 112 First, Portland—Book Binders  
 Pioneer Lumber Co., Elk City—Lbr  
 Pioneer Lumber Co., Curtin—Lumber  
 Pioneer Mattress Co., 1072 Lincoln, Portland—Mattresses  
 Pioneer Soda Works, 480 Albina Ave., Portland—Bottling Works  
 Pittsburgh Lumber Co., Ruch—Lbr  
 Pleasant Valley Cheese Co., Hemlock—Cheese  
 Pleasant Valley Shingle Co., Hemlock—Lumber  
 Point Adams Packing Co., Hammond, Canned Fish  
 Polar Ice Cream Co., Duane, Astoria—Ice Cream and Candy  
 Pole Sawmill, Prairie—Lumber  
 Pomeroy & Duncan, Marshfield—Myrtlewood Novelties  
 Port Orford Cedar Co., Sixes—Lbr  
 Port Orford Mill Co., Port Orford—Lumber and Shingles  
 Port Orford White Cedar Mfg. Co., Marshfield—Lumber  
 Port-O-Fruit Products Co., 787 Washington, Portland—Preserves  
 Porter-Scarpelli Macaroni Co., Columbia Blvd., and Fenwick, Portland—Macaroni, Spaghetti, Etc  
 Portland Art Glass Co., Inc., 543 Madison, Portland—Art Glass  
 Portland Artificial Ice Co., 18th and Upshur, Portland—Ice  
 Portland Asbestos Factory, 53 Albina Ave., Portland—Asbestos  
 Portland Basket & Handle Co., 1321 Macadam, Portland—Baskets  
 Portland Blue Print Co., Ainsworth Bldg., Portland—Blue Prints  
 Portland Boiler Works, 17th and Pettygrove, Portland—Boilers and Steel Tanks  
 Portland Bolt & Mfg. Co., 210 N. 14th, Portland—Bolts and Nuts  
 Portland Brazing & Machine Works, 266 Glisan, Portland—Boilers  
 Portland Brewing Co., 627 Upshur, Portland—Cider and Beverages  
 Portland Brush & Broom Works, 109 Grand Ave., Portland—Brushes  
 Portland Cheese Co., 229 Oak, Portland—Cheese  
 Portland Cigar Box Mfg. Co., 668 Hood, Portland—Cigar Boxes  
 Portland Coffee Co., 11 First, Portland—Coffee  
 Portland Cordage Co., 14th & Northrup, Portland—Cordage  
 Portland Damascus Milk Co., 24th & Washington, Portland—Creamery  
 Portland Door & Window Co., 230 Front, Portland—Paints  
 Portland Electric Maintenance Co., 262 Madison, Portland—Plating  
 Portland Electrottype & Stereotype Co., 92 Front, Portland—Electrotypes and Stereotypes  
 Portland Elevator Co., 480 E Mill, Portland—Elevators  
 Portland Engraving Co., 167 4th, Portland—Advertising Cuts  
 Portland Flouring Mills, Board of Trade Bldg., Portland—Flour  
 Portland Furniture Mfg. Co., 1249 Macadam Road, Portland—Furniture and Mattresses  
 Portland Galvanizing Co., 22d and Reed, Portland—Galvanizing  
 Portland Gas & Coke Co., Gasco Bldg., Portland—Briquets  
 Portland Hat & Cap Co., 221 E. Morrison, Portland—Hats and Caps  
 Portland Iron Works, 14th & Northrup, Portland—Foundry  
 Portland Linseed Oil Co., 22nd & Sherlock Ave., Portland—Linseed Oil and Cakes  
 Portland Lumber Co., ft. of Lincoln, Portland—Lumber  
 Portland Mfg. Co., ft. of Richmond, Portland—Excelsior and Veneer

## MANUFACTURERS IN OREGON—Continued

- Portland Marble Works, 264 4th,  
 Portland—Granite and Marble  
 Portland Ornamental Iron Works, 53  
 N. 9th, Portland—Ornamental Iron  
 and Wire  
 Portland Oxygen & Hydrogen Co., E.  
 17th & Center, Portland—Electro-  
 lytic Oxygen and Hydrogen  
 Portland Paper Box Co., 93 Front,  
 Portland—Paper Boxes  
 Portland Pattern Works, 174 E.  
 Water, Portland—Patterns, Wood  
 and Metal Models  
 Portland Printing House Co., 388 Tay-  
 lor, Portland—Printing and Book-  
 binding  
 Portland Pulley Co., 441 E. 50th,  
 Portland—Wood Pulleys  
 Portland Rug Co., 1674 E. 17th, Port-  
 land—Rugs  
 Portland Sheet Metal Works, 429 E.  
 Madison, Portland—Sheet Metal  
 Portland Shipbuilding Co., ft. of Neb-  
 raska, Portland—Boats and Wood  
 Ships  
 Portland Sign Co., 289 Stark, Portland  
 —Signs  
 Portland Stove Works, Kenton Sta.,  
 Portland—Stoves and Ranges  
 Portland Tent & Awning Co., 220  
 Burnside, Portland—Awnings and  
 Tents  
 Portland Tinware Co., 47 First, Port-  
 land—Tinware  
 Portland Trunk Mfg. Co., 60 3rd, Port-  
 land—Trunks, Traveling Bags and  
 Suitcases  
 Portland Vegetable Oil Mills, 580 N.  
 Front, Portland—Vegetable Mills  
 Portland Wire & Iron Works, 294 2nd,  
 Portland—Ornamental Iron and  
 Wire  
 Portland Woolen Mills, ft. of W. Bal-  
 timore, Portland—Woolen Goods  
 Potts, C. R., Paisley—Lumber  
 Pound, H. F., Canyon City—Lumber  
 Povey Bros. Glass Co., 100 N. 5th,  
 Portland—Art Glass  
 Powell's Sawmill, Rye Valley—Lbr  
 Powrie Bros., Drain—Lumber  
 Prairie Box Co., Prairie City—Boxes  
 Prairie City Co-Operative Creamery  
 Co., Prairie City—Creamery  
 Prairie Lumber Co., Prairie City—  
 Lumber  
 Preston-Shaffer Milling Co., Athena—  
 Flour  
 Prineville Flouring Mill, Prineville—  
 Flour  
 Producers Canning & Packing Co.,  
 Salem—Fruit Evaporating and  
 Packing  
 Promise Lumber Co., Promise—Lbr  
 Prosper Canning Co., Prosper—Canned  
 Fish  
 Prosper Mill Co., Prosper—Lumber  
 Prouty Lumber & Box Co., Seaside—  
 Lumber and Boxes  
 Prufo Garment Co., 663 Hood, Port-  
 land—Water Proof Garments  
 Prufo Products Co., Union and Oak,  
 Portland—Water Proof Chemicals  
 Pullman Bakery, Medford—Bakery  
 Purdin Metalware Co., 88 N. 2d, Port-  
 land—Sheet Metal Works  
 Puritan Health Food Co., 150 Page,  
 Portland—Bakery and Cereals  
 Purity Bakery, Eugene—Bakery  
 Purity Bakery, Ontario—Bakery  
 Purity Dairy Co., Astoria—Creamery  
 Putlo Lumber Co., Marmot—Lbr  
 Rader Window Shade Co., 387 Yam-  
 hill, Portland—Window Shades  
 Raines Bros., Forest Grove—Lumber  
 Rainier Canning Co., Rainier—Canned  
 Fruit and Vegetables  
 Rainier Creamery, Rainier—Cream-  
 ery  
 Rainier Shingle Co., Rainier—Shin-  
 gles  
 Ramsey, Wm. J., 432 San Rafael,  
 Portland  
 Rann Sign Co., 125 Grand Ave, Port-  
 land—Signs  
 Rasmussen & Co., 2nd & Yamhill,  
 Portland—Paints and Varnish  
 Raven Dairy Co., 174 4th, Portland—  
 Creamery  
 Ray-Maling Co., Inc., Hillsboro—  
 Canned Fruit and Vegetables  
 Raymond Auto Wheel Works, 49 N.  
 9th, Portland—Auto Wheels  
 Red Clover Creamery Co., Tillamook  
 —Cheese  
 Red Crown Mills, Albany—Flour  
 Red Rock Dairy, Tigard—Cheese  
 Reddi-Made Building Co., 315 E. 11th,  
 Portland—Ready Built Houses  
 Redmond Creamery, Redmond—  
 Creamery  
 Redmond Juniper Mfg. Co., Redmond  
 —Pencil, Slates  
 Redmond Pine Mill Planing Co., Red-  
 mond—Lumber  
 Reed, H. F., Elgin—Lumber  
 Reed & Lindsay, 31st and Sandy  
 Blvd., Portland—Broom Handles  
 Reed Speciality Shop, 319 Williams  
 Ave., Portland—Reed Furniture  
 Reedsport Creamery, Reedsport—  
 Creamery  
 Reedsport Fish Co., Reedsport—Can-  
 ned Fish  
 Reedsport Iron Works, Reedsport—  
 Brass, Bronze, Iron and Steel Cast-  
 ings  
 Reedsport Lumber Co., Reedsport—  
 Lumber  
 Reedsport Sash & Door Co., Reedsport  
 —Lumber  
 Reesch & Co., Wm., Pendleton—Bev-  
 erages  
 Reid, T. A., Estacada—Lumber  
 Reid & Ida Mfg. Co., 4406 Woodstock,  
 Portland—Bedding  
 Reid's Sawmill, Heppner—Lumber  
 Reinson Machinery Co., 1295 Hood,  
 Portland—Drag Saws  
 Reliance Wire & Iron Works, 52  
 Union Ave., Portland—Ornamental  
 Iron and Wire  
 Richards Brush Co., 329 Morrison,  
 Portland—Brushes  
 Riddle Lumber Co., Riddle—Lumber  
 Ridehalgh & Co., Bay City—Canned  
 Fish  
 Ridge Lumber Co., Troutdale—Lbr  
 Rinehart Apron Co., S. E., 674 Alberta,  
 Portland—Ladies Aprons  
 Ritter Flour Mill, Ritter—Flour

## MANUFACTURERS IN OREGON—Continued

- River Banks Creamery, Grants Pass—Creamery  
 Riverview Dairy Co., 1003 Belmont, Portland—Cheese  
 Robbins Mill, Reece H., Dallas—Lbr  
 Roberts Bros., Templeton—Cheese  
 Roberts, Guy, Toledo—Lumber  
 Roberts, N. E., Corvallis—Lumber  
 Roberts Sawmill, A. R., Wallowa—Lumber  
 Robbs, H. A., Dallas—Lumber  
 Robinson Bros., Dayton—Lumber  
 Rock Creek Cheese Factory, Otis—Cheese  
 Rock Creek Lumber Co., Molalla—Lumber  
 Rock Creek Sawmill, Antone—Lumber  
 Rockaway Spruce Co., Rockaway—Lumber  
 Rodgers Paper Co., Salem—Printing and Bookbinding  
 Roesch, Julius, La Grande—Beverages  
 Roesch Brewing Co., Pendleton—Brewery and Bottling  
 Rogers, J. R., 90 1st, Portland—Bookbinding  
 Rogers, W. F., Bandon—Foundry and Patterns  
 Rogue River Agate Co., Ashland—Agate Products  
 Rogue River Broom Works, Medford—Brooms  
 Rogue River Valley Canning Co., Medford—Cider, Canned Fruit and Vegetables  
 Rogue River Valley Cigar Works, Medford—Cigars  
 Rogue Valley Milling Co., Medford—Flour  
 Rose City Chips, 980 Division, Portland—Horseradish and Potato Chips  
 Rose City Flour Mills, St. Johns Sta., Portland—Flour  
 Rosebraugh, W. W., 17th and Oak, Salem—Furnaces and Tanks  
 Roseburg Dairy & Soda Works, Roseburg—Beverages  
 Roseburg Ice & Storage Co., Roseburg—Ice  
 Roseburg Soda Works, Roseburg—Creamery and Bottling Works  
 Rosecrans, W. E., Corvallis—Lumber  
 Roseland Preserving Co., 3421 50th, S. E., Portland—Fruit Cannery  
 Rosenbaum's Sawmill, Mitchell—Lbr  
 Ross Mill Furnishing Co., J. J., 61 Front, Portland—Flour Mill Furnishings  
 Ross & Son, Henry, 386 E. Stark, Portland—Candy  
 Rotary Bread Stores, 270 Yamhill, Portland—Bakery  
 Rowland, E. C., Silverton—Lumber  
 Royal Bakery & Confectionery Co., 11th & Everett, Portland—Bakery  
 Royal Nut Mfg. Co., 42½ E. 28th, North Portland—Peanut Butter  
 Rupert & Co., A., Worcester Bldg., Portland—Canned Fruit and Vegetables  
 Russell & Gilbert Co., 777 Holladay Ave., Portland—Candy  
 Russell Sawmill, Prineville—Lumber  
 Ruttencutter Sawmill, Kirby—Lbr  
 Ryder Bros., Baker—Printing and Bookbinding  
 Salem Baking Co., Salem—Bakery  
 Salem Brick & Tile Co., Salem—Brick and Tile  
 Salem Cabinet Works, Salem—Boxes and Cabinets  
 Salem Iron Works, Salem—Foundry  
 Samo Bottling Works, Baker—Beverages  
 Sales, W. H., Mohler—Shingles  
 Sallee & Inman, Elmira—Lumber  
 Salmon River Cheese Factory, Rose Lodge—Cheese  
 Salt Creek Lumber Co., R. 1, Dallas—Lumber  
 Sanborn Cutting Co., Astoria—Canned Fish  
 Sand Lake Creamery, Sand Lake—Cheese  
 Sandy Creamery, Sandy—Creamery  
 Sandy Lumber Co., Cherryville—Lbr  
 Sanitary Bakery, Corvallis—Bakery  
 Santiam Woolen Mills, Stayton—Woolen Goods  
 Scappoose Lumber Co., Scappoose—Lumber  
 Scappoose Planing Mill, Scappoose—Lumber  
 Scarbrough, L. D., Creswell—Fruit Packing  
 Schafer, Fred, Molalla—Lumber  
 Schalabach, C. J., Hubbard—Lumber  
 Schanen Marble Works, N. A., 297 Hawthorne Ave., Portland—Granite and Marble  
 Schellenberg, F. F., Grants Pass—Lumber  
 Schieman, S. A., R. 2, Stayton—Lbr  
 Schlachter, L. M., Elam—Lumber  
 Schmidt Co., Frank, 181 E. 8th, Portland—Lumber, Sash and Doors  
 Schmidt, John V., Grants Pass—Cigars  
 Schmidt & Co. Inc., S., Astoria—Fish Packing  
 Schmidt Lumber Co., Warrenton—Lbr  
 Schoemacke, Bruce & Clarke Bros., Selma—Lumber  
 Schooner Creek Cheese Factory, Taft—Cheese  
 Schott Bros & Kingsley, Elmira—Lumber  
 Schreiber & Son, R. 1, Mulino—Lbr  
 Schroeder & Aason Lumber Co., Coquille—Lumber  
 Schultz Food Co., Forest Grove—Meat Packing  
 Schumacher Fur Co., 234 3d, Portland—Furs  
 Schumann Granite & Marble Works, Otto, 39 E. 3rd, Portland—Granite and Marble  
 Schwab Printing Co., 245½ Stark, Portland—Bookbinding  
 Scio Logging & Lumber Co., Scio—Lumber  
 Scio Milling Co., Scio—Flour  
 Scott Flour Mill, Chas., Scotts Mills—Flour  
 Scow Bay Iron & Brass Works, Astoria—Castings, Brass, Iron and Steel  
 Seaborg Packing Co., Gold Beach—Canned Fish  
 Seaside Spruce & Logging Co., Comstock—Lumber  
 Selleck, Geo. W., 713 N. Jersey, Portland—Cigars  
 Senders & Co., M., Albany—Feed

## MANUFACTURERS IN OREGON—Continued

- Senz Bros., Scio, R. 1—Lumber  
 Seufert Bros. Cannery, The Dalles—  
 Canned Fish, Fruit and Vegetables  
 Sevcik Bros. Mill, New Era—Flour  
 Shaffer Copper Works, 22nd & Reed,  
 Portland—Vats and Copper Pipe  
 Shaffner Co., S. E., 3d and Hoyt, Port-  
 land—Chemists  
 Shannon & Walters, Eugene—Lumber  
 Sharkey & Son, P., 53 Union Ave.,  
 Portland—Saddlery, Harness and  
 Collars  
 Sharp, Richard R., 505 Lumber Ex-  
 change Bldg., Portland—Cigars  
 Sharp & Kyniston, Toledo—Lumber  
 Sharp & Owings, Logsdon—Lumber  
 and Shingles  
 Shaw & Bertram, Klamath Falls—  
 Lumber  
 Shephard, J. H., Yamhill—Lumber  
 Sheridan Creamery, Sheridan—  
 Creamery  
 Sherman Lumber Co., E. J., Gaston—  
 Lumber  
 Shevlin-Hixon Co., Bend—Lumber  
 Sash and Doors and Boxes  
 Shiria, A. E., Sutherlin—Boxes  
 Shofner Brake Shoe Foundry, Linnton  
 Station—Foundry  
 Shope Brick Co., D. F., 470 E. 8th,  
 Portland—Brick and Tile  
 Siddons, Dan W., Dallas—Lumber  
 Sidney Power Co., Jefferson, R. 1—  
 Flour  
 Sigel Mfg. Co., 382 Washington, Port-  
 land—Blouses, House Dresses and  
 Aprons  
 Siletz Bay Lumber Co., Kernville—  
 Lumber, Lath and Shingles  
 Siletz Spruce Co., Philomath—Lbr  
 Siletz Valley Lumber Co., Siletz—Lbr  
 Silver Falls Timber Co., Silverton—  
 Lumber  
 Silver Lake Creamery, Silver Lake—  
 Creamery  
 Silverile Co., 84 Union Ave, Portland  
 Soap  
 Silverton Blow Pipe Co., Silverton—  
 Sheet Metal  
 Silverton Creamery & Ice Co., Silver-  
 ton—Creamery and Ice  
 Silverton Food Products Co., Silver-  
 ton—Canned Fruits and Vegetables  
 Silverton Foundry Co., Silverton—  
 Foundry  
 Silverton Lumber Co., Silverton—Lbr  
 Simmons Co., The, 1186 Macadam Rd.,  
 Portland—Metal Furniture and Fix-  
 tures  
 Simmons Glove Mfg. Co., Phoenix  
 Bldg., Portland—Gloves  
 Simonds Mfg. Co., 85 1st, Portland—  
 Saws  
 Simpson Paper Box Co., 427 Hancock,  
 Portland—Paper Boxes  
 Sinclair Provision Co., 475 Everett,  
 Portland—Meat Packing  
 Sixes Cheese Factory, Sixes—Cheese  
 Skaggs & Son, Blodgett—Lumber  
 Skidmore Mill Co., Hoff—Lumber  
 Skuses Auto Sport Shop, 63 6th, Port-  
 land—Leather Sport Goods  
 Sky Line Mfg. Co., Box 713, Portland  
 —Lumber  
 Slyter, O. R. 2, Molalla—Lumber  
 Small, W. J., Lyons, R. 1—Lumber  
 Small & Urie, Tillamook—Canned  
 Fish  
 Smith, Amos, Grants Pass—Lumber  
 Smith, Jerome, Scappoose—Lumber  
 Smith, S. C., 4632 67th S. E., Port-  
 land—Lumber  
 Smith Bros., Grizzly—Lumber  
 Smith, E. E., Dexter—Lumber  
 Smith-Bowly Furniture Works, Al-  
 bany—Furniture  
 Smith Sawmill, Oscar, North Pow-  
 der—Lumber  
 Smiths, Phil., Sawmill, Burns—Lbr  
 Smith Packing Co., Baker—Sausage,  
 and Meat Packing  
 Smith & Watson Iron Works, 412  
 Front, Portland—Boilers, Tanks  
 and Foundry  
 Smith & Wilson, Salem—Lumber  
 Snellstrom Bros., Noti—Lumber  
 Snider Dairy & Products Co., Medford  
 —Creamery and Ice  
 Snider & Sons, W. L., Clatskanie—  
 Shingles  
 Soderback, O. T., 420 Vancouver,  
 Portland—Cigars  
 Sam's Valley Box & Lumber Co., Gold  
 Hill—Lumber  
 South Lake Lumber Co., Lakeside—  
 Lumber  
 South Portland Shingle Co., 1350  
 Macadam, Portland—Shingles  
 South Prairie Creamery, Tillamook—  
 Cheese  
 South Santiam Lumber Co., Lebanon  
 —Lumber  
 Southern Oregon Lumber Co., Med-  
 ford—Lumber  
 Southwell, W. J., Siletz—Lumber  
 Spalding Bros., Wonder—Lumber  
 Spaniol Sweets, 205 4th, Portland—  
 Candy  
 Spath, O. T., Sherwood, R. 3—Lbr  
 Spaulding Logging Co., Chas. K.,  
 Oregonian Bldg., Portland—Silos,  
 Sash and Doors, Lumber and Boxes  
 Spiering & Sohler, Banks—Lumber  
 Spiers & Sons, E. Goldson—Lumber  
 Sprague River Lumber Co., Chiloquin  
 —Lumber  
 Springbrook Packing Co., Springbrook  
 Canned Fruit and Vegetables  
 Springfield Creamery, Springfield—  
 Creamery  
 Springfield Mill & Grain Co., Spring-  
 field—Flour and Feed  
 Spruce Mill Co., Tillamook—Lumber  
 St. Benedictine Bros., Mt. Angel—Lbr  
 St. Helens Co-Operative Creamery  
 Co., St. Helens—Creamery  
 St. Helens Flour Mill, St. Helens—  
 Flour  
 St. Helens Lumber Co., St. Helens—  
 Lumber  
 St. Helens Shipbuilding Co., St.  
 Helens—Boats and Wood Ships  
 St. Helens Tie and Timber Co., St.  
 Helens—Lumber, Ties, etc  
 St. Johns Ice & Cold Storage Co., 339  
 Lombard, Portland—Ice  
 St. Johns Lumber Co., Pittsburg and  
 Bradford, Portland—Lumber  
 St. Johns Mfg. Co., Pittsburg and  
 Bradford, Portland—Shingle Strip  
 Mfg

## MANUFACTURERS IN OREGON—Continued

- St. Johns Planing Mill Co., St. Johns Station, Portland—Sash and Doors and Lumber  
 St. Paul Co-Operative Creamery, St. Paul—Creamery  
 St. Paul Flour Mill, St. Paul—Flour  
 Stadelman Ice Co., The Dalles—Ice  
 Stafford Lumber Co., Springfield—Lumber  
 Staiger, Chas., Sublimity—Lumber  
 Standard Art Stone Co., 1630 Macadam Rd., Portland—Building Stone  
 Standard Box & Lumber Co., Buxton—Lumber  
 Standard Brick & Tile Co., 83 5th, Portland—Tiles and Brick  
 Standard Broom Co., Inc., 73rd & Glisan, Portland—Brooms  
 Standard Factory No. 2, E. Taylor & Grand Ave., Portland—Overalls and Men's Shirts  
 Standard Fir Tie Co., Stayton—Lbr  
 Standard Lumber Co., Hood River—Lumber  
 Standard Shingle Co., Scofield—Shingles  
 Standard Soda Works., McMinnville—Beverages  
 Stanfield Cheese Factory, Stanfield—Cheese  
 Stanwood Lumber Co., R. L., Brownsville—Lumber  
 Star Bottling Works, Salem—Beverages  
 Star Box Mfg. Co., 1494 Macadam, Portland—Box Shooks  
 Star Flouring Mills, The, McMinnville—Flour  
 Star Ranch, Langlois—Cheese  
 Star Shingle Co., Rainier—Lumber and Shingles  
 Star Tannery, Albany—Tannery  
 Starr Fruit Products Co., 321 E. Yamhill, Portland—Canned Fruit and Vegetables  
 State Line Flour Mill, New Pine Creek—Flour and Feed  
 Stayton Cement Works, Stayton—Cement Products  
 Stayton Cheese Factory, Stayton—Cheese  
 Stayton Flouring Mill, Stayton—Flour  
 Stearns-Eddy Co., E 17th and Sandy Blvd., Portland—Candy  
 Stefani, A., Canby—Lumber  
 Stehman, Dean, Rainier—Shingles  
 Steiger Lumber Co., Chiloquin—Lbr  
 Stein's Bakery, 325 N. 16th, Portland—Bakery  
 Steinbach Machine Shop, Tillamook—Foundry  
 Stenno Carbon Paper Co., E. 22d and Sandy Blvd., Portland—Carbon Paper  
 Sterling Bakery, 251 Morrison, Portland—Bakery  
 Sterling Food Products Co., Inc., 1122 Macadam, Portland—Vinegar, Pickles, Sauerkraut, Canned Fruit and Vegetables  
 Sterrett Packing Co., Kenton Station, Portland—Bone Meal, Shell Grinding and Fertilizer  
 Stettler Mfg. Co., F. C., Oregon & Occident, Portland—Paper Boxes  
 Stevens, J. H., La Grande—Beverages  
 Stevens & Farris Lumber Co., Walton—Lumber  
 Stevenson Lumber Co., Koler—Lbr  
 Stewart, A. G., Grande Ronde—Lbr  
 Stewart Bros., 271 Pine, Portland—Loggers Equipment  
 Stoddard Lumber Co., Baker—Lumber, Boxes, Sash and Doors  
 Stolz Co., Gideon, Salem—Cider, Vinegar, Pickles, Beverages  
 Stone-Tone Stucco, 511 Exchange Bldg., Portland—Stone-Tone Stucco  
 Stolzier, C. A., Myrtle Creek—Boxes  
 Storkmann, Aug., Lakeview—Cigars  
 Storey, T. W., 51 Union Ave., Portland—Tools  
 Strawberry Mill, Prairie City—Lbr  
 Stullenberger, C. T., Yamhill—Lbr  
 Sturm Dumbwaiter & Elevator Co., 289 Union Ave., Portland—Elevators  
 Sugarloaf Cheese Factory, Gravel Ford—Cheese  
 Sugar Pine Lumber Co., Kerby—Lbr  
 Sugar & White Pine Co., Grants Pass—Lumber  
 Sullivan, Tim, Myrtle Point—Lumber  
 Summit Lumber Co., Summit—Lumber  
 Sundquist & Norberd, Route 3, Banks—Lumber  
 Sun-Meen Co., 63 N. 4th, Portland—Noodles  
 Sunrise Milk Products Co., North Bend—Milk Condenser  
 Super Shingle Co., Lebanon—Shingles  
 Supple & Walker, 177 E Water, Portland—Elevators  
 Surbeck Bros., Baker—Cigars  
 Swan Lake Lumber Co., Klamath Falls—Lumber  
 Sweeney, Varney & Straub, 152 Park, Portland—Printing and Bookbinding  
 Sweet Elnathan, 1333 E 36th, Portland—Candy  
 Swender Blue Print Co., 272 Stark, Portland—Blue Prints  
 Sweetland Inc., 269 Morrison, Portland—Candy, Ice Cream  
 Sweetland Fruit Juice Co., 181 Holladay, Portland—Cider, Candy and Ice Cream  
 Swift & Co., North Portland—Fertilizer, Bone Meal, Meat Packing and Oleomargarine  
 Swingle, C. J., Yamhill—Fruit Drying and Packing  
 Swope, E., Molalla—Lumber  
 Table Supply Mfg. Co., 202 Morrison, Portland—Horseradish and Potato Chips  
 Talbot Soda Works, Tillamook—Beverages  
 Tallant-Grant Packing Co., Astoria—Canned Fish  
 Teasel Creek Co., Molalla—Lumber  
 Temple, O. H., Lebanon—Lumber  
 Templeman, E. T., Oakridge—Lumber  
 Ten Mile Lumber Co., Lakeside—Lbr  
 Tepco Mfg. Co., 244 Hawthorne, Portland—Wireless Equipment  
 Terminal Ice & Cold Storage Co., 3rd & Hoyt, Portland—Ice  
 Terry & Judd, Hauser—Lumber  
 The Dalles Soda Works, The Dalles—Beverages

## MANUFACTURERS IN OREGON—Continued

- Thielemann Cigar Factory, 375 N. 19th, Portland—Cigar  
 Thomas, Ernest, 841 Pacific, Portland—Cast Stones  
 Thomas Bros., 288 Weidler, Portland—Candy  
 Thomason & Son, T., 718 7th, Astoria—Lumber  
 Thompson & Bullis, Milwaukie—Shingles  
 Thompson Flouring Mills, Shedd—Flour  
 Thorpe, Harry, Taft—Lumber  
 Three C Lumber Co., Grants Pass—Sash and Doors  
 Three Rivers Creamery, Hebo—Cheese  
 Thrush & Lehnher, Camas Valley—Lumber  
 Tichener Lumber Co., Clatskanie—Lumber  
 Tiffany Bakery, 365 Union Ave., Portland—Bakery  
 Tillamook Box Co., Bay City—Boxes  
 Tillamook Cheese Factory, Tillamook—Cheese  
 Tillamook Clay Works, Tillamook—Brick and Tile  
 Tillamook Consolidated Industries Co., Wheeler—Fish Cannery  
 Tillamook Creamery, Tillamook—Creamery  
 Titus Garment Co., 82 5th, Portland—Waterproof Garments  
 Toledo Cannery, Toledo—Canned Fruit and Vegetables  
 Toledo Co-Operative Creamery, Toledo—Creamery  
 Toledo Planing Mill, Toledo—Lbr  
 Tomlin Box Co., Medford—Lumber and Boxes  
 Topsy Lumber Co., Dorris, Calif.—Lumber  
 Tormochlen Candy Co., 906 Williams Ave., Portland—Candy  
 Traction Tread Tire Co., 301 Hawthorne, Portland—Tires  
 Trent Sawmill, Richmond—Lumber  
 Tri-State Terminal Co., Baker—Flour  
 Trowbridge Cabinet Works, Medford—Lumber, Cabinets and Fixtures  
 Troy Lumber Co., Troy—Lumber  
 Troy Roller Mills, Troy—Flour  
 Tru Blu Biscuit Co., E. 6th & Davis, Portland—Candy, Biscuits and Crackers  
 Trulinger, D. L., Mulino—Lumber  
 Tucker, R. L., Hillsboro—Lumber, Sash and Doors  
 Tuerck, Henry K., 53 N. 9th, Portland—Ornamental Iron  
 Tuerck & Mackenzie Machine Co., 160 E. 3rd, Portland—Die Stamping  
 Tuft Lumber Co., Tiernan—Lumber and Shingles  
 Tum-A-Lum Lumber Co., Prineville—Lumber  
 Turner & Jones, Birkenfeld—Shingles  
 Twin Lumber Co., Yamhill—Lumber  
 Twin Lumber Co., Vernonia—Lumber  
 Two J. Soap Co., 323 Russell, Portland—Soap  
 Umatilla Flour & Grain Milling Co., Pendleton—Flour  
 Umpqua Boat & Cabinet Shop, Reedsport—Boat and Cabinet Shop  
 Umpqua Fish, Storage & Supply Co., Gardiner—Fish Packing  
 Umpqua Mill Co., Reedsport—Shingles  
 Umpqua Valley Cannery Co., Drain—Cannery  
 Umpqua Valley Mills, Oakland—Flour  
 Uncles Delicious Pies Inc., 556 Mississippi, Portland—Bakery  
 Underhills Sawmill, E. G., Dufur—Lumber  
 Underhill Shirt Co., Central Bldg., Portland—Men's Shirts  
 Underwood Lumber Co., Lakeview—Lumber  
 Union Ave. Battery Co., 488 Union Ave., N., Portland—Batteries  
 Union Box Co., La Grande—Lumber  
 Union Fisherman Co-Operative Packing Co., Astoria—Canned Fish  
 Union Mills, Mulino—Flour  
 Union Sign Co., 79 W. Park, Portland—Signs  
 United Manufacturing Co., 25th and Holladay, Portland—Mattresses  
 United Sheet Metal Works, ft. of E. Morrison, Portland—Sheet Metal  
 United States Bakery, E. 11th & Flanders, Portland—Bakery  
 Universal Bed Co., Vancouver Ave & Tillamook, Portland—Furniture  
 Universal Body Corporation, E. 29th and Sandy Blvd., Portland—Auto and Truck Bodies  
 Universal Tire Filler Co., 441 Hawthorne, Portland—Tire Fillers  
 Universal Woodworking Co., 100 N. 3rd., Portland—Cabinet Shop  
 Upper Nestucca Cheese Factory, Blaine—Cheese  
 U. S. Mfg. Co., Ontario—Flumes and Culverts  
 U. S. Signal Co., 504 Burnside, Portland—Auto Signals  
 U. S. Willow Furniture Co., 230 Russell, Portland—Willow Furniture  
 Utility Garment Co., Inc., 124 4th Portland—Women's and Children's Garments  
 Utility Wood Products Co., 501 Spalding Bldg., Portland—Office Furniture  
 V-Plex Piston Ring Co., Medford—Auto Rings  
 Vale Milling Elevator Co., Vale—Flour  
 Valley Creamery, La Grande—Creamery and Ice Cream  
 Valley Mfg. Co., Woodburn—Handles  
 Valley Pride Creamery, Grants Pass—Creamery  
 Van Den Bosch, Falls City—Lumber  
 Van Hander, Stayton—Lumber  
 Van Rex Cigar Co., 139 10th, Astoria—Cigars  
 Vaughan Motor Works, 475 E. Main, Portland—Drag Saws  
 Vaughn & Bester, Cushman—Lumber  
 Veal & Son, R., Albany—Furniture and Lumber  
 Veltum & Clow Mfg. Co., Eugene—Foundry  
 Vezzani D. Statuary Co., 305 3rd., Portland—Statuary  
 Victor Mill, Halfway—Flour

## MANUFACTURERS IN OREGON—Continued

- Viking Baking Co., 505 E. Stark,  
Portland—Bakery  
Vincent, Joseph, Rainier, R. 8—Shin-  
gles  
Vincent Lumber & Logging Co., Yam-  
hill—Lumber  
Vogan Candy Co., E. 11th & Flanders,  
Portland—Candy  
Vols Chocolate, 649 2d, Portland—  
Candy  
Von der Werth, W. H. & E., East End  
of Morrison Bridge, Portland—  
Boats  
W. C. Planing Mill Co., The, Forest  
Grove—Lumber  
W. & R. Donut Co., 4 Grand Ave.,  
Portland—Bakery  
Wade & Co., R. M., 322 Hawthorne  
Ave., Portland—Drag Saws  
Wade's Sawmill, Cove—Lumber  
Wadhams & Co., 4th & Oak, Portland  
—Coffee, Spices, Extracts, Baking  
Powder, Peanut Butter, etc.  
Wadhams & Kerr Bros., 13th & Davis,  
Portland—Coffee, Spices, Extracts,  
Jellies, Syrups, Pickles, etc.  
Wagner Auto Wheel Works, 49 N 9th,  
Portland—Auto Wheels  
Wagner Razor Strop Co., 245 E. 45th,  
Portland—Razor Stropps  
Wahkeena Furniture Mfg. Co., 441 E.  
Lombard, Portland—Furniture  
Walla Walla Valley Canning Co.,  
Freewater—Canned Fruits and Veg-  
etables  
Wallowa Milling & Grain Co., Enter-  
prise—Flour and Sawmill  
Wallowa Roller Mills, Wallowa—  
Flour and Lumber  
Walsh Electric Co., M. J., 75½ N.  
10th, Portland—Electric Fixtures  
Walters Flour Mills, Pendleton—Flour  
Wamie Lumber Co., Wamie—Lumber  
Wards Sawmill, Dufur—Lumber  
Warner, C. E., Fall Creek—Lumber  
Warner Bros., Fall Creek—Lumber  
Warner & Rapp, Crawfordsville—Lbr  
Warren Packing Co., Warrendale—  
Canned Fish  
Warrenton Clam Co., Warrenton—  
Canned Fish  
Warrenton Lumber Co., Warrenton—  
Lumber  
Wasco Pine Box Lumber Co., Friend  
—Lumber  
Wasco Warehouse Milling Co., The  
Dalles—Flour  
Washburn, S. J., The Dalles—Cigars  
Waterbury's Mill, Long Creek—Lbr  
Waterman, A. F., Bancroft—Lbr  
Waterproof Garment Co., 82½ 5th N.,  
Portland—Men's and Women's  
Waterproof Garments  
Watt Marble Works, The Dalles—  
Granite and Marble  
Weatherly Ice Cream Co., E. 7th &  
Salmon, Portland—Ice Cream  
Weatherspoon & Son, W., Halfway—  
Lumber  
Weber Tanning Co., 1710 Macadam  
Road, Portland—Tannery  
Weddle, A. L., Sweet Home—Lumber  
Weinhard Plant, H., 475 Burnside,  
Portland—Beverages, Vinegar, Ice  
Weiss & Son Lumber Co., J. M., Hem-  
lock—Lumber  
Welch Bros., Baker—Cigars  
Wellman Bros., Scotts Mills—Lbr  
Welsh, Francis, Oregon City—Lbr  
Welter & Son, Wonder—Lumber  
Wenstrom Sawmill, Laurel, R. 2—  
Lumber  
Wentworth Top & Body Works, 188  
Grand, Portland—Auto Bodies  
Wentworth & Irwin, Inc., 2nd & Tay-  
lor, Portland—Auto and Truck  
Bodies  
West Beaver Shingle Mill, Hemlock—  
Shingles  
West Coast Box & Lumber Co., North  
Portland—Boxes  
West Coast Engraving Co., Common-  
wealth Bldg., Portland—Advertis-  
ing Cuts, Half Tones, etc.  
West Coast Specialty Co., 395 N. 18th,  
Portland—Kitchen Furniture  
West Coast Tanning Co., 892 Tenino  
Ave., Portland—Leather  
West Made Desk Co., Lewis and Lor-  
ing, Portland—Furniture  
West Oregon Lumber Co., Linnton  
Station, Portland—Lumber  
West Side Lumber Co., Lakeview—  
Lumber  
West Side Lumber Co., West Salem—  
Lumber  
West Side Pattern Works, ft. of  
Stark, Portland—Patterns  
Western Cooperage Co., 1233 N. W.  
Bank Bldg., Portland—Barrels and  
Casks  
Western Electric Works, 243 6th,  
Portland—Electric Switchboards  
and Panels  
Western Engineering Works, ft. of  
Richmond, Portland—Oil Meters  
Western Fixture & Show Case Co.,  
16th & Jefferson, Portland—Cab-  
inets and Fixtures  
Western Fluff Rug Co., 54 Union  
Ave., N., Portland—Rugs  
Western Foundry Co., 626 Hood,  
Portland—Foundry  
Western Lath & Lumber Co., 287 E.  
Morrison, Portland—Lath  
Western Lumber & Export Co., Cot-  
tage Grove—Lumber  
Western Lumber Mfg. Co., Marshfield  
—Veneer  
Western Oregon Handle Co., 933 San-  
dy Blvd., Portland—Handles  
Western Picture Frame Co., 170 1st,  
Portland—Picture Frames  
Western Reduction Co., 24th & Nico-  
lai, Portland—Electric Smelters  
Western Soda Works, 204 Mill, Port-  
land—Beverages  
Western Spar Co., North Portland—  
Ship Spars, Veneer and Lumber  
Western Structural Steel & Tank Co.,  
E. 63rd & Halsey, Portland—Boil-  
ers and Steel Tanks  
Western Tool & Dye Works, 109 N.  
3rd, Portland—Dies and Stamping  
Western Waste Co., 1540 Macadam,  
Portland—Waste and Jute  
Western Waxed Paper Co., North  
Portland—Waxed Paper  
Westfal Lumber Co., L. G., The Dalles  
—Lumber  
Weston Milling Co., Weston—Flour  
Westport Lumber Co., Westport—  
Lumber and Lath

## MANUFACTURERS IN OREGON—Continued

- Wheeler Bros., Goshen—Lumber  
 Wheeler, C. H., Timber—Lumber  
 Wheeler Lumber Co., Wheeler—Lbr  
 Wheeler Mfg. Co., Wheeler—Shingles  
 Wheeler United Lumber Co., Wheeler—Lumber  
 Whipple, E. G., Drain—Lumber  
 Whistle Bottling Wrks., 25 Union Ave., Portland—Beverages  
 White, C. A., Hoff—Lumber  
 White Cedar Lumber Co., Bandon—Lumber  
 White Clover Cheese Factory, Otis—Cheese  
 White Clover Ice Cream Co., 505 E. Burnside, Portland—Ice Cream  
 White Palace Bakery, 207 4th, Portland—Bakery  
 White Pine Box & Lumber Co., La Grande—Lumber and Boxes  
 White Pine Lumber Co., Klamath Falls—Lumber  
 White Wizard Co., 388 E. Washington, Portland—Soap Powders  
 Whitney Co., Garibaldi—Lumber  
 Whiz Auto Products, 19th and Upshur, Portland—Auto Products  
 Wienert & Son, J. R., Airlie—Lumber  
 Wiesner, J. C., McMinnville—Cigars  
 Wiese Bros., Blodgett—Lumber  
 Wightman Co., Geo. E., 90 11th, Portland—Soap  
 Wikstrom Lumber Co., Scappoose—Lumber  
 Wilhelm & Sons, A., Monroe—Flour  
 Wilhoit Lumber Co., Molalla—Lumber  
 Wilkinson Lumber Co., 1793 Derby, Portland—Cabinets and Fixtures  
 Wilkinson Bros., 254 Hawthorne, Portland—Paragon Disk Wheels  
 Willamette Box and Lumber Co., Linnton Station, Portland—Boxes  
 Willamette Dairy, 483 Union Ave., Portland—Creamery  
 Willamette Iron & Steel Works, 462 N. Front, Portland—Boilers and Steel Tanks  
 Willamette Pacific Lumber Co., North Bend—Veneer  
 Willamette Pattern Works, 240 E 7th, Portland—Patterns  
 Willamette River Lumber Co., Oregon City—Lumber  
 Willamette Valley Canneries, Woodburn—Cannery  
 Willamette Valley Lumber Co., Dallas—Lumber  
 Willamette Valley Prune Ass'n., Salem—Fruit Packing  
 Willamina Handle Factory, Willamina—Handles  
 Williams, Dar, Cherry Grove—Lumber  
 Williams Ave. Planing Mill, 831 Williams Ave., Portland—Lumber  
 Williams, L. E., 49 Union, Portland—Metal Shingles  
 Williams & Co., Mississippi and Morrison, Portland—Potato Chips  
 Williamson Wm. A., Corvallis—Cigars  
 Willison Bros., Springfield—Lumber  
 Willow Creek Sawmill, Heppner—Lbr  
 Willowcraft Furniture Co., Orenco—Willow Furniture and Baskets  
 Wilson, Floyd, Blodgett—Lumber Patterns  
 Wilson's Cracked Wheat Bakery, Central Market, Portland—Bakery  
 Willson Bottling Works, George, Merrill—Beverages  
 Wilson Lumber Co., G. W. Gaston—Lumber  
 Wilson's Sawmill, Dufur—Lumber  
 Wilson Shipbuilding Co., Astoria—Boats and Wood Ships  
 Wilson & Jennings, Elmira—Lumber  
 Winans Sawmill, Dee—Lumber  
 Winans Bros., 181 Columbia, Portland—Auto Body Works  
 Winchester Bay Lumber Co., Reedsport—Lumber  
 Wind River Lumber Co., Cascade Locks—Lumber and Shingles  
 Winkleman Bag & Burlap Co., 14th & Johnson, Portland—Bags and Burlap  
 Winkley's Creamery, Corvallis—Ice and Creamery  
 Winlock Sawmill, Winlock—Lumber and Shingles  
 Wlrls & Son, F. J., Buell—Lumber  
 Wise & Mulvaney, Lookingglass—Lumber  
 Wismer Box Co., Route A, Tillamook—Boxes  
 Wood-Ewing Iron Works, 1371 Macadam, Portland—Foundry  
 Woldt & Son, Ben, 274 3rd, Portland—Cigars  
 Wood River Valley Creamery & Butter Ass'n., Ft. Klamath—Creamery  
 Woodard, A. L., Cottage Grove—Lbr  
 Woodard, Walter A., Cottage Grove—Lumber  
 Woodburn Milling Co., Woodburn—Flour  
 Woodcock Bros. Milling Co., Maupin—Flour  
 Woodcock Bros. Sawmill, Kerby—Lumber  
 Woodlawn Bakery, 446 Durham, Portland—Bakery  
 Woods Iron Works, John, 461 E. Alder, Portland—Foundry  
 Wright & Son, Leslie, Enterprise—Lumber  
 Yamhill Milling Co., Sheridan—Flour  
 Yamhill Planing Mill, Yamhill—Lbr  
 Yamhill Tile Works, Yamhill—Tile  
 Yamore Cannery, Yamhill—Canned Fruit and Vegetables  
 Yellow Fir Lumber Co., Tillamook—Lumber  
 Yocum Lumber Co., Route 1, Estacada—Lumber  
 Yoder, A. L., Hubbard—Lumber and Feed  
 Yoran Printing Co., Eugene—Printing and Bookbinding  
 York Lumber Co., Tillamook—Lbr  
 Youngs Gown Shop, 130 10th, Portland—Ladies Garments  
 Yunker Bros., Route 1, Yamhill—Lumber  
 Zan Bros., Inc., 22nd and York, Portland—Brooms  
 Zeek, E. O., Union—Lumber  
 Zeek, Orland, Lebanon—Lumber  
 Zero Lumber Co., Blodgett—Lumber  
 Zysett, J. A., Corvallis—Lumber

## COMMODITY INDEX

## CLAY AND STONE

## BRICK, CLAY

Albany Brick & Tile Co., Albany  
 Arago Brick & Tile Co., Arago  
 Bend Brick & Lumber Co., Bend  
 Central Clay Products Co., Monmouth  
 Central Oregon Brick Co., Bend  
 Coffey Bros., Klamath Falls  
 Columbia Brick Works, 302 Main,  
 Portland  
 Corbett Brick Yard, Corvallis  
 Corvallis Brick & Tile Co., Corvallis  
 Denny-Renton Clay & Coal Co., 648  
 Sherlock Ave., Portland  
 Duke, J. H., Wilkesboro  
 Fairmont Brick & Tile Co., Monroe  
 Fisher, Chas., Milwaukie  
 Forest Grove Clay Products Co., For-  
 est Grove  
 Gleason Brick Co., Cottage Grove  
 Good Brick Yard, H. N., Donald  
 Groner & Rowell Co., Hillsboro, R. 2  
 Hoskins & DeSart, Donald  
 Kern Brick Co., L. E., 1027 Tillamook,  
 Portland  
 La Grande Brick Yard, La Grande  
 McMinnville Brick & Tile Co., Mc-  
 Minnville  
 Monarch Fire Clay Co., Linnton Road,  
 Portland  
 Mt. Angel Brick & Tile Co., Mt. Angel  
 Oregon Face Brick Co., Willamina  
 Pacific Face Brick Co., Willamina  
 Salem Brick & Tile Co., Salem  
 Shope Brick Co., D. F., 470 E. 8th,  
 Portland  
 Standard Brick & Tile Co., 83 5th,  
 Portland  
 Tillamook Clay Works, Tillamook  
 Yamhill Tile Works, Yamhill

## CEMENT

Beaver Portland Cement Co., Gold Hill  
 Oregon Portland Cement Co., Oswego

## CEMENT PRODUCTS

Acme Cement Plaster Co., Gypsum  
 Albany Sand & Gravel Co., Albany  
 Arrow Cement Laundry Tray Co., 695  
 E. 8th, Portland  
 Bend Concrete Pipe Co., Bend  
 Blackburn, H. J., 1400 Macadam,  
 Portland  
 Builders Supply Co., Corvallis  
 Concrete Pipe Co., 410 River, Portland  
 Concrete Pipe Co., Ontario  
 Eaton Cement Works, Freewater  
 Eugene Concrete Works, Eugene  
 Harrisburg Concrete Works, Harris-  
 burg  
 La Grande Pipe Co., Island City  
 McCormack Concrete Mfg. Co., 888  
 Union Ave. N., Portland  
 Medford Concrete Construction Co.,  
 Medford  
 Ontario Concrete Pipe Co., Ontario  
 Oregon Cement Pipe & Tile Co.,  
 Grants Pass  
 Standard Art Store Co., 1630 Ma-  
 cadam, Portland

Stayton Cement Works, Stayton  
 Stone Tone Stucco Co., 511 Exchange  
 Bldg., Portland  
 Thomas, Ernest, 841 Pacific Ave.,  
 Portland

## GRANITE AND MARBLE

Architectural Stucco Works, 19 Lewis,  
 Portland  
 Blaessing Granite Co., 267 3rd, Port-  
 land  
 Blair Granite Quarry, Ashland  
 Capital Monumental Works, Salem  
 Eugene Granite & Marble Works,  
 Eugene  
 Fulton Park Marble Works, 95 Cus-  
 ter, Portland  
 Monterastelli Marble Granite Works,  
 Pendleton  
 National Fire Proof Lumber Co., Mt.  
 Angel  
 Northwestern Granite Co., Haines  
 Oregon Granite Co., Medford  
 Oregon Mastic Floor Co., Worcester  
 Bldg., Portland  
 Pendleton Marble Works, Pendleton  
 Portland Marble Works, 264 4th,  
 Portland  
 Scharen Marble Works, N. A., 297  
 Hawthorne Ave., Portland  
 Schumann Granite & Marble Works,  
 Otto, 39 E. 3rd, Portland  
 Watt Marble Works, The Dalles

## KILNS, LIME

Pacific Lime & Gypsum Co., Lime

## POTTERY

Fisher, Chas., Milwaukie  
 Pacific Stoneware Co., Inc., 695 Sher-  
 lock Ave., Portland

## TILE, CLAY

Albany Brick & Tile Co., Albany  
 Arago Brick & Tile Co., Arago  
 Central Clay Products Co., Monmouth  
 Cherry Mfg. Co., 271 Hawthorne Ave.,  
 Portland  
 Columbia Brick Works, 277 Haw-  
 thorne Ave., Portland  
 Corvallis Brick & Tile Works, Cor-  
 vallis  
 Denny-Renton Clay & Coal Co., 648  
 Sherlock Ave., Portland  
 Fairmont Brick & Tile Co., Monroe  
 Goode Brick Yard, H. N., Donald  
 Groner-Rowell Co., Hillsboro, R. 2  
 Hoskins & DeSart, Donald  
 McMinnville Brick & Tile Co., Mc-  
 Minnville  
 Mt. Angel Brick & Tile Co., Mt. Angel  
 Oregon Face Brick Co., Willamina  
 Pacific Face Brick Co., Willamina  
 Salem Brick & Tile Co., Salem  
 Shope Brick Works, D. F., 470 E. 8th,  
 Portland  
 Standard Brick & Tile Co., Portland  
 Tillamook Clay Works, Tillamook  
 Yamhill Tile Works, Yamhill

## FOOD PRODUCTS

## BAKING POWDER

Closset & Devers, 1 N. Front, Portland  
 Edwards Dwight Co., 34 N. Front, Portland  
 Gray, McLean & Percy, 113 N. 4th, Portland  
 Wadhams & Co., 75 4th, Portland

## BEVERAGES, SOFT DRINK

Albany Fruit Juice Co., Albany  
 American Soda Works, 227 Larrabee, Portland  
 Bagley Canning Co., Talent  
 Breck Loganberry Juice Co., Portland  
 Celro-Kola Co., 105 12th, Portland  
 Commercial Cider Works, Salem  
 Corvallis Soda Works, Corvallis  
 Dickinson & Co., Inc., Oswego  
 Enterprise Bottling Works, Enterprise  
 Eugene Bottling Co., Eugene  
 Featherstone Products Co., Cornelius  
 Hood River Apple Vinegar Co., Hood River  
 Jones Bros. & Co., of Oregon, Portland (Plants at Newberg and Portland)  
 Kennedy Bottling Co., Marshfield  
 Martin Candy Co., Marshfield  
 Medford Soda Works, Medford  
 Mt. Hood Soda Water Works, 648 2nd, Portland  
 Pioneer Soda Works, 480 Albina Ave., Portland  
 Portland Brewing Co., 627 Upshur, Portland  
 Reesch & Co., Wm., Pendleton  
 Rogue River Valley Canning Co., Medford  
 Roesch, Julius, La Grande  
 Roesch Brewery Co., Pendleton  
 Roseburg Dairy & Soda Works, Roseburg  
 Roseburg Ice & Storage Co., Roseburg  
 Roseburg Soda Works, Roseburg  
 Sam-O Bottling Works, Baker  
 Standard Soda Works, McMinnville  
 Star Bottling Works, Salem  
 Stevens, J. H., La Grande  
 Stolz Co., Gideon, Salem  
 Sweetland Fruit Juice Co., 181 Holladay, Portland  
 Talbot Soda Works, Tillamook  
 The Dalles Soda Works, The Dalles  
 Weinhard Plant, Henry, 475 Burnside, Portland  
 Western Soda Works, 204 Mill, Portland  
 Whistle Bottling Co., 25 Union, Portland  
 Wilson, Geo., Bottling Works, Merrill

## BISCUITS, CRACKERS

Independent Cracker Co., 428 E. Davis, Portland  
 Pacific Coast Biscuit Co., 12th and Davis, Portland  
 Tru Blu Biscuit Co., E. 6th and Davis, Portland

## BREAD, BAKERY GOODS

Albany Bakery, Albany  
 American Bakery, Bend

American Bakery, 483 Williams Ave., Portland  
 Andrews & Kerr, Corvallis  
 Atlas Bakery, Lebanon  
 Atlas Bakery, McMinnville  
 Bake-Rite Bakery, 251 Yamhill, Portland  
 Bake-Rite Sanitary Bread Co., 457 State, Salem  
 Bakers Bakery, Baker  
 Bakers Bread Co., 7th and Belmont, Portland  
 Bradley Pie Bakery, 64 Grand Ave., Portland  
 Cherry City Baking Co., Salem  
 Coffee Cup Cafeteria, 332 Washington, Portland  
 Daily Bread Bakery, 123 Grand Ave., Portland  
 Davidson Bread Co., E. 22nd and Oregon, Portland  
 Federal System of Bakeries, 146 3rd, Portland  
 French Bakery Co., 507 6th, Portland  
 Haynes-Foster Bakery Co., E. 7th and Davis, Portland  
 Hood River Bakery, Hood River  
 Hoover's Bakery, 454 Washington St., Portland  
 Ideal Bakery, Roseburg  
 Lambert Bakery, 185 3rd, Portland  
 Lesh Bakery, Corvallis  
 Log Cabin Baking Co., 265 Ivy, Portland  
 Macpherson Bakery, La Grande  
 Mistland Bakery, Salem  
 Model Baking Co., Roseburg  
 Moore Baking Co., Grants Pass  
 Multnomah Bakery, 489 N. Union, Portland  
 Oregon Bakery, Pendleton  
 Oregon Bakery, The Dalles  
 Peerless Bakery, Oregon City  
 Peerless Bakery, Salem  
 Pendleton Bakery Co., Pendleton  
 Pfaff & Calkins, 472 Hawthorne, Portland  
 Pullman Bakery, Medford  
 Puritan Health Food Co., 150 Page, Portland  
 Purity Bakery, Eugene  
 Purity Bakery, Ontario  
 Rotary Bread Stores, 210 Yamhill, Portland  
 Royal Bakery & Confectionery Co., 11th and Everett, Portland  
 Salem Baking Co., Salem  
 Sanitary Bakery, Corvallis  
 Stein's Bakery, 325 N. 16th, Portland  
 Sterling Bakery, 251 Morrison, Portland  
 Tiffany Bakery, 365 Union Ave. N., Portland  
 Uncle's Delicious Pies Inc., 556 Mississippi, Portland  
 United States Bakery, E. 11th and Flanders, Portland  
 Viking Bakery Co., 505 E. Stark, Portland  
 White Palace Bakery, 207 4th, Portland  
 Wilson's Cracked Wheat Bakery, Central Market, Portland  
 Woodlawn Bakery, 446 Durham, Portland  
 W. & R. Donut Co., 4 Grand Ave., Portland

## FOOD PRODUCTS—Continued

## CANDY

Allen Candy Co., W. C., 17th and Sandy, Portland  
 Candy Products Co., 17th and Sandy, Portland  
 Chocolate Truffles Co., Grand Ave. and E. Stark, Portland  
 Coffman, A. J., 411 Morrison, Portland  
 Crosby Candy Co., 224 Crosby, Portland  
 Donovan, Martin, E. 7th and Couch, Portland  
 Harris Home Made Candy, 441 Washington, Portland  
 Herman & Goelitz, 255 Holladay, Portland  
 Hoefler, H. R., Astoria  
 Hudson-Donovan, E. 7th and Couch, Portland  
 Janke's Confectionery, 951 Union Ave. N., Portland  
 Lang & Co., 1st and Ankeny, Portland  
 Martin Candy Co., Marshfield  
 Pacific Coast Biscuit Co., 12th and Davis, Portland  
 Polar Ice Cream Co., Astoria  
 Ross & Son, Henry, 386 E. Stark, Portland  
 Russell & Gilbert Co., 777 Holladay Ave., Portland  
 Spaniol Sweets, 205 4th, Portland  
 Stearns-Eddy Co., E. 17th and Sandy Blvd., Portland  
 Sweet Elnathan, 1333 E 36th, Portland  
 Sweetland, Inc., 269 Morrison, Portland  
 Thomas Bros., 288 Weidler, Portland  
 Tormochlen Candy Co., 906 Williams Ave., Portland  
 Tru Blu Biscuit Co., E. 6th and Davis, Portland  
 Vogan Candy Co., E. 11th and Flanders, Portland  
 Vol's Chocolates, 649 2d, Portland

## CANNERIES, FISH

Allen & Hendricksen Packing Co., Rainier  
 Alsea Fisherman's Canning Assn., Waldport  
 Anderson Fish Co., Arthur, Astoria  
 Barbey Packing Co., Hammond  
 Booth Fisheries Co., Astoria  
 Burke Fish Co., N. Front and Overton, Portland  
 Coast Packing Co., Bay City  
 Columbia River Packers Assn., Astoria  
 Coquille Cannery Co., Bandon  
 Elmore Packing Co., Astoria (Plants at Astoria, Nehalem, Oretown and Taft)  
 Florence Canning Co., Florence  
 Gertulla, F. W., Kernville  
 Gold Beach Cannery, Gold Beach  
 Macleay Estate Co., Wedderburn  
 Marshfield Cannery, Marshfield  
 McGowan's Cannery, Warrendale  
 Point Adams Packing Co., Hammond  
 Prosper Canning Co., Prosper  
 Reedsport Fish Co., Reedsport  
 Ridehaigh & Co., Bay City  
 Sanborn Cutting Co., Astoria  
 Seaborg Packing Co., Gold Beach  
 Seufert Bros. Cannery, The Dalles  
 Small & Urie, Tillamook

Tallant-Grant Packing Co., Astoria  
 Tillamook Consolidated Industries, Wheeler  
 Union Fisherman Co-operative Packing Co., Astoria (Plants at Astoria and Wheeler)  
 Warren Packing Co., Warrendale  
 Warrenton Clam Co., Warrenton

## CANNERIES, FRUIT AND VEGETABLE

Albany Canning Co., Albany  
 Allen-Hendrickson Packing Co., Rainier  
 Ashland Preserving Co., Ashland  
 Bagley Canning Co., Talent  
 Berry Growers Packing Co., Gresham  
 Brownsville Canning Co., Corvallis (Plants at Corvallis, Brownsville and Forest Grove)  
 California Packing Corp., Kenton Sta., Portland  
 Carver Canning Co., Route 2, Oregon City  
 Chandler & Son, Astoria  
 Columbia River Canning & Produce Co., St. Helens  
 Cottage Grove Cannery, Cottage Grove  
 Cushman Canning Co., Cushman  
 Dallas Canning Co., Dallas  
 Deming Packing Co., R. C., Estacada  
 Dickenson Co., Inc., Oswego  
 Drain Canning Co., Drain  
 Eagle Valley Cannery Co., New Bridge  
 Equity Queen Canning Co., Dayton (Plants at Dayton and Grand Island)  
 Eugene Fruit Growers Assn., Eugene (Plants at Creswell, Eugene, Junction City and Drain)  
 Farwest Canning Co., Astoria  
 Featherstone Products Co., Cornelius  
 Forest Grove Fruit Growers' Assn., Forest Grove  
 Freewater Cannery, Freewater  
 Graves Canning Co., Sheridan (Plants at Sheridan, Sherwood, Woodburn, Brownsville, Toledo and Philomath)  
 Gresham Home Products Co., Gresham  
 Holt-Chase Canning Co., Inc., Myrtle Point  
 Hood River Canning Co., Hood River  
 Hunt Bros. Packing Co., Salem  
 Knight Packing Co., 474 E. Alder, Portland (Plant at Medford)  
 La Creole Canning Co., Dallas  
 La Fayette Canning Co., La Fayette  
 Libby-McNeil & Libby, The Dalles  
 Northwest Products Co., Salem  
 Oregon Packing Co., Salem  
 Oregon Pickle & Canning Co., Gresham  
 Rainier Canning Co., Rainier  
 Ray-Maling Co., Inc., Hillsboro, (Plants at Hillsboro and Junction City)  
 Rogue River Valley Canning Co., Medford  
 Roseland Preserving Co., 3421 50th S. E., Portland  
 Rupert & Co., A., Worcester Bldg., Portland (Plants at Lebanon, Newberg, Roseburg, Gresham and Falls City)  
 Seufert Bros. Cannery, The Dalles  
 Silverton Food Products Co., Silverton

## FOOD PRODUCTS—Continued

Springbrook Packing Co., Springbrook  
 Starr Fruit Products Co., 321 E. Yamhill, Portland  
 Sterling Food Products Co., Inc., 1122 Macadam, Portland  
 Toledo Canning Co., Toledo  
 Umpqua Valley Canning Co., Roseburg  
 Walla Walla Valley Canning & Pickling Co., Freewater  
 Willamette Valley Canneries, Woodburn  
 Yamore Cannery, Yamhill

## CEREALS

Albers Milling Co., N. Front and Pettygrove, Portland  
 Albina Flour Mills, ft. of Russell, Portland  
 Columbia Milling Co., 32nd and Market, Portland  
 Fischer Flouring Mill, Corvallis (Plants at Corvallis and Silverton)  
 Golden Rod Milling Co., 353 Oak, Portland  
 Kerr Gifford & Co., Inc., Lewis Bldg., Portland  
 Old Fashion Cereal Co., 241 Holladay, Portland  
 Olympia Cereal Mill, E. 1st and Washington, Portland  
 Puritan Health Food Co., Inc., 150 Page, Portland

## CHEESE

Albany Pure Milk & Cheese Co., Albany  
 Alder Vale Creamery, Nehalem  
 Amity Cooperative Dairy Ass'n., Amity  
 Arago Co-operative Cheese Factory, Arago  
 Bandon Cheese Co., Bandon  
 Banner Creamery, Mohler  
 Beaver Creamery Assn., Beaver  
 Blaine Creamery Co., Blaine  
 Bohemia Cheese Factory, Templeton  
 Broadbent Cream Co., Broadbent  
 Cloverdale Cheese Co., Cloverdale  
 Cloverleaf Creamery Co., Bay City  
 Cold Springs Cheese Factory, Cloverdale  
 Columbia Delta Cheese Co., Clatskanie  
 Commercial Creamery Co., Haines  
 Coos Bay Mutual Creamery Co., Marshfield  
 Crystal Creamery, Sixes  
 Denmark Cheese Co., Denmark  
 East Beaver Cheese Co., Hemlock  
 Elwood Creamery Co., Tillamook  
 Euchre Creek Cheese Factory, Wedderburn  
 Fairview Dairy Assn., Tillamook  
 Floras Lake Cheese Factory, Langlois  
 Garden Road Co-operative Cheese Factory, Salem  
 Gaston Cheese Factory, Gaston  
 Gravel Ford Cheese Factory, Gravel Ford  
 Halfway Creamery Station, Halfway  
 Hazel Hill Cheese Factory, Otis  
 Hazelwood Cheese Factory, Lakeside  
 Holstein Creamery Co., Tillamook  
 Independence Creamery, Harrisburg  
 Jordan Cheese Factory, Scio

Langells Valley Cheese Factory, Langells Valley  
 Langlois Dairy Products Co., Langlois  
 Lee Cheese Factory, Lee  
 Long Prairie Creamery Co., Tillamook  
 Lundy Creamery, Myrtle Point  
 Macleay Estate, Wedderburn  
 MacLaren Cheese Co., 459 E. 13th N. Portland  
 Maple Grove Cheese Factory, Beaver  
 Maple Leaf Creamery Assn., Tillamook  
 Meda Creamery Co., Cloverdale  
 Miami Valley Creamery Co., Garibaldi  
 Mohler Creamery Co., Mohler  
 Moore, D M., Gold Beach  
 Morris Co., A. R., 3rd and Hoyt, Portland  
 Mutual Creamery Co., Halfway  
 Myrtle Point Creamery Co., Myrtle Point  
 Myrtlewood Creamery, Coquille  
 Neskowin Dairy Assn., Neskowin  
 Newberg Creamery Co., Newberg  
 Norway Cheese Factory, Norway (Plants at Norway and Lee)  
 Ocean View Cheese Factory, Langlois  
 Oregon Creamery Co., 130 2nd, Portland  
 Oretown Cheese Factory, Oretown  
 Parkersburg Cheese Factory, Bandon  
 Pleasant Valley Cheese Assn., Hemlock  
 Portland Cheese Co., 229 Oak, Portland  
 Red Clover Creamery Co., Tillamook  
 Red Rock Dairy, Tigard  
 Riverview Dairy Co., 1003 Belmont, Portland  
 Roberts Bros., Templeton  
 Rock Creek Cheese Factory, Otis  
 Salmon River Cheese Factory, Rose Lodge  
 Sand Lake Creamery, Sand Lake  
 Schooner Creek Cheese Factory, Taft  
 Sixes Cheese Factory, Sixes  
 South Prairie Creamery Co., Tillamook  
 Stanfield Cheese Factory, Stanfield  
 Star Ranch, Langlois  
 Stayton Cheese Factory, Stayton  
 Sugarloaf Cheese Factory, Gravel Ford  
 Three Rivers Creamery, Hebo  
 Tillamook Cheese Factory, Tillamook  
 Upper Nestucca Cheese Factory, Blaine  
 White Clover Cheese Factory, Otis

## CIDER

Bagley Canning Co., Talent  
 Cochran Cider Mill, 1108 Hawthorne Ave., Portland  
 Commercial Cider Works, Salem  
 Enterprise Bottling Works, Enterprise  
 Hage's Cider Factory, Mosier  
 Hood River Apple Vinegar Co., Hood River  
 Johnson Cider Palace, H. A., 247 Yamhill, Portland  
 Mt. Hood Soda Water Works, 648 Second, Portland  
 Northwest Fruit Products Co., Salem  
 Portland Brewing Co., 627 Upshur, Portland  
 Rogue River Valley Canning Co., Medford

## FOOD PRODUCTS—Continued

Stolz Co., Gideon, Salem  
 Swetland Fruit Juice Co., 181 Holladay, Portland

## COFFEE, SPICES AND EXTRACTS

Acme Flavoring Co., 388 E. Stark, Portland  
 Caswell Coffee Co., 25 E. 12th, Portland  
 Celro-Kola Co., 105 12th, Portland  
 Closset & Co., 128 N. 12th, Portland  
 Closset & Devers, 1-3 N. Front, Portland  
 Crane Co., W. B., E. 8th and Oak, Portland  
 Defiance Tea & Coffee Co., 63 Front, Portland  
 Edwards, Dwight Co., 34 N. Front, Portland  
 Gray, McLean & Percy, 113 N. 4th, Portland  
 Lang & Co., 1st and Ankeny, Portland  
 Lara & Co., 53 4th, Portland  
 Mason-Ehrman Co., 50 Everett, Portland  
 Portland Coffee Co., 11 First, Portland  
 Wadhams & Co., 4th and Oak, Portland  
 Wadhams & Kerr Bros., 13th and Davis, Portland

## COOKIES, CAKES

Grandma Cookie Co., 384 E. Stark, Portland  
 Haynes-Foster Baking Co., 64 E. 7th N. Portland  
 Independent Cracker Co., 428 E. Davis, Portland  
 McA-B Cookie Co., 131 E. 18th, Portland  
 Pacific Coast Biscuit Co., 12th and Davis, Portland  
 Tru Blu Biscuit Co., E. 6th and Davis Portland

## CREAMERIES

Albany Creamery Assn., Albany  
 Albany Pure Milk & Cheese Co., Albany  
 Alder Vale Creamery, Nehalem  
 Alsea Cooperative Dairy Ass'n., Alsea  
 Ashland Creamery, Ashland  
 Blaine Creamery Co., Blaine  
 Blue Mt. Creamery Co., La Grande  
 Bradner Co., Independence  
 Brandes Creamery, 127 First, Portland  
 Brewster Valley Creamery, Sitkum  
 Brownsville Creamery, Brownsville  
 Burnt River Co-operative Creamery Co., Unity  
 Cape Blanco Creamery, Denmark  
 Capital City Co-operative Creamery, 137 S. Commercial, Salem  
 Central Oregon Farmers Creamery, Bend  
 Chevalley Ever Fresh Milk Products Co., 432 Salmon, Portland  
 City Dairy, 553 Second, Portland  
 Clear Creek Creamery Co., Oregon City  
 Cloverland Creamery, 213 W. Burlington, Portland  
 Commercial Creamery Co., Wallowa  
 Coos Bay Mutual Creamery Co., Marshfield  
 Coquille Valley Creamery, Coquille  
 Corvallis Creamery Co., Corvallis

Cottage Grove Creamery, Cottage Grove  
 Crystal Ice & Cold Storage Co., 427 E. Main, Portland

Douglas County Creamery, Roseburg  
 Elk Creek Creamery, Elkton  
 Elwood Creamery Co., Tillamook  
 Enterprise Creamery, Enterprise  
 Eugene Clarifying & Pasteurizing Co., Eugene

Eugene Farmers Creamery, Eugene  
 Farmers Creamery Co., Carlton  
 Fernwood Dairy, 15th and Union Ave., Portland

Freemont Creamery, Freemont  
 Golden West Creamery, Pendleton  
 Halfway Cream Station, Halfway  
 Holiday Creamery, Klamath Falls  
 Home Creamery Co., 261 Russell, Portland

Hood River Creamery, Hood River  
 Hubbard Creamery Co., Hubbard  
 Hudson Bay Co-operative Creamery, Umapine

Imperial Creamery, 281 1st, Portland  
 Independence Creamery, Independence  
 Jackson County Creamery, Medford  
 Junction City Creamery, Inc., Junction City  
 Klamath Creamery Co., Klamath Falls

Lakview Creamery, Lakeview  
 Lane County Creamery, Eugene  
 La Pine Creamery, La Pine  
 Lebanon Creamery Co., Lebanon  
 Lower Columbia Dairymen's Ass'n., Astoria

Macleay Estate, Wedderburn  
 Maple Leaf Creamery Assn., Tillamook  
 Maplewood Creamery, 266 Couch, Portland

Marion Creamery & Produce Co., Salem  
 McMinnville Creamery, McMinnville  
 Merrill Creamery, Merrill  
 Monmouth Co-operative Creamery Co., Monmouth

Morrow County Creamery, Heppner  
 Mt. Angel Creamery & Ice Co., Mt. Angel  
 Mutual Creamery Co., Astoria  
 Mutual Creamery Co., Baker

Mutual Creamery Co., 72 E. 7th, Portland  
 Newberg Creamery, Newberg  
 Norway Cheese Co., Norway

Oak Grove Creamery, Scappoose  
 Oregon City Creamery, Oregon City  
 Oregon Creamery Co., 130 2nd, Portland  
 Oregon Milk Producers Corporation, 6th and Couch, Portland

Peerless Butter Co., 47 Front, Portland  
 Pendleton Creamery, Pendleton  
 Portland Damascus Milk Co., 24th and Washington, Portland

Prairie City Co-operative Creamery Co., Prairie City  
 Purity Dairy Co., Astoria  
 Rainier Creamery, Rainier

Raven Dairy Co., 174 4th, Portland  
 Redmond Creamery, Redmond  
 Red Rock Dairy, Tigard

Reedsport Creamery, Reedsport  
 River Banks Creamery, Grants Pass

## FOOD PRODUCTS—Continued

Roseburg Soda Works, Roseburg  
 Sandy Creamery, Sandy  
 Sheridan Creamery, Sheridan  
 Silverton Creamery & Ice Co., Silverton  
 Silver Lake Creamery, Silver Lake  
 Snider Dairy & Products Co., Medford  
 Springfield Creamery, Springfield  
 St. Helens Co-operative Creamery Co., St. Helens  
 St. Paul Cooperative Creamery, St. Paul  
 Swift & Co., Kenton Station, Portland  
 Tillamook Creamery, Tillamook  
 Toledo Co-operative Creamery, Toledo  
 Valley Creamery La Grande  
 Valley Pride Creamery, Grants Pass  
 Willamette Dairy, 483 Union Ave., Portland  
 Wood River Valley Creamery & Butter Assn., Fort Klamath

## DEHYDRATED FRUITS

Kings Food Products Co., Salem, The Dalles and Portland  
 Pacific Wann Evaporating Co., Dallas

## EVAPORATED FRUITS

Hoffman Evaporating Co., J. N., Forest Grove  
 Horst Co., E. Clemens, Independence  
 Idan-Ha Orchard Co., Nyssa  
 Kings Food Products Co., The Dalles  
 Producers Canning & Packing Co., Salem

## FLOUR

Albers Bros., Ry. Exchange Bldg., Portland  
 Albina Flour Mills, ft. of Russell, Portland  
 Ashland Mills, Ashland  
 Astoria Flouring Mills Co., Astoria  
 Aumsville Flouring Mill, Aumsville  
 Baker Mill & Grain Co., Baker  
 Bend Flour Mill Co., Bend  
 Binder, Chas., Elkton  
 Brandon Bros. Flour Mill, Eagle Point  
 Brownsville Milling Co., Brownsville  
 Buchanan & Co., C. D., Hillsboro (Plants at Cornelius, Hillsboro, McMinnville and North Plains)  
 Burns Flouring Milling Co. Burns  
 Carnation Milling Co., Forest Grove  
 Cascade Flouring Mills, Carson  
 Cascade Flour Mill, Foster  
 Central Point Mill, Central Point  
 Chehalem Valley Mills, Newberg  
 Cherry City Flouring Mill, Salem  
 Collins Flour Mill & Grain Elevator, Pendleton  
 Columbia Milling Co., E. 2d and Market, Portland  
 Condon Milling Co., Condon  
 Cottage Grove Flour Mills, Cottage Grove  
 Crown Mills, N. Front and Quimby, Portland  
 Dallas Flouring Mills, Dallas  
 Denson, J. J., Carlton  
 Diamond Flour Mills, The Dalles  
 Douglas County Flouring Mills, Roseburg

Eagle Mills, St. Johns Terminal, Portland  
 Echo Flour Mills, Echo  
 Elgin Flour Mills, Elgin  
 Enterprise Mercantile & Mill Co., Enterprise  
 Eugene Mill & Elevator Co., Eugene  
 Eureka Flour Mill, Stayton  
 Fischer Flouring Mills, Corvallis (Plants at Corvallis and Silverton)  
 Flora Mercantile & Milling Co., Flora  
 Fossil Milling Co., Fossil  
 Grangers Eugene Warehouse, Eugene  
 Haines Flour Mill, Haines  
 Helix Milling Co., Helix  
 Heppner Farmers Elevator Co., Heppner  
 Highland Milling Co., Hood River  
 Independent Warehouse & Milling Co., Wasco  
 Jefferson Mill Co., Jefferson  
 Joseph Milling Co., Joseph  
 Josephine Mill, Grants Pass  
 Kerr Gifford & Co. Inc., Lewis Bldg., Portland  
 La Grande Milling Co., La Grande  
 Lexington Roller Mill, Lexington  
 Long Creek Flour Mill, Long Creek  
 Lyons Milling Co., Gaston  
 Madras Flouring Mills, Madras  
 Malin Milling Co., Malin  
 Martin Bros. Inc., Klamath Falls  
 Maupin Milling Co., Maupin  
 Miller Bros. Flour Mill, Milton  
 Monitor Flour Mills, Woodburn  
 Mulino Flour Mills, Mulino  
 Myrtle Creek Flour Mill, Myrtle Creek  
 North Powder Milling & Mercantile Co., North Powder  
 Northwestern Roller Mills, Milton  
 Nyssa Flour Mill, Nyssa  
 Old Fashion Cereal Co., 241 Holladay, Portland  
 Oregon Grain Co., Turner  
 Oregon Milling & Warehouse Co., Independence  
 Paisley Flour Mill, Paisley  
 Peacock Mill Co., Freewater  
 Pendleton Flour & Grain Co., Pendleton  
 Pendleton Roller Mills, Pendleton  
 Perrydale Flouring Mill, Perrydale  
 Pioneer Flouring Mill, Island City  
 Portland Flouring Mills Co., Portland (Plants at Oregon City, Metolius and Tangent)  
 Preston-Shaffer Milling Co., Athena  
 Prineville Flouring Mill, Prineville  
 Red Crown Mills, Albany  
 Ritter Flour Mill, Ritter  
 Rogue Valley Milling Co., Medford  
 Rose City Flour Mills, St. Johns Station, Portland  
 Scio Milling Co., Scio  
 Scott Flour Mill, Chas., Scotts Mills  
 Sevcik Bros. Mill, New Era  
 Sidney Power Co., Jefferson, R. 1  
 Springfield Mill & Grain Co., Springfield  
 St. Helens Flour Mill Co., St. Helens  
 St. Paul Flour Mill, St. Paul  
 Star Flouring Mills, The, McMinnville  
 State Line Flour Mill, New Pine Creek  
 Stayton Flouring Mills, Stayton

## FOOD PRODUCTS—Continued

Thompson Flouring Mills, Shedd  
 Tri-State Terminal Co., Baker  
 Troy Roller Mills, Troy  
 Umatilla Flour & Grain Co., Pendle-  
 ton  
 Umpqua Valley Mills, Oakland  
 Union Mills, Mulino  
 Vale Milling Elevator Co., Vale  
 Victory Mill, Halfway  
 Wallowa Milling & Grain Co., Enter-  
 prise  
 Wallowa Roller Mills, Wallowa  
 Walters Flour Mills, Pendleton  
 Wasco Warehouse Milling Co., The  
 Dalles  
 Weston Milling Co., Weston  
 Wilhelm & Sons, A., Monroe  
 Woodburn Milling Co., Woodburn  
 Woodcock Bros. Milling Co., Maupin  
 Yamhill Milling Co., Sheridan

## HORSE RADISH

Rose City Chips, 980 Division, Port-  
 land  
 Table Supply Mfg. Co., 202 Morris,  
 Portland

## ICE

Apple Growers Assn., Hood River  
 Ashland Ice & Storage Co., Ashland  
 Cold Storage Co., Grants Pass  
 Coquille Ice Plant, Coquille  
 Crystal Ice & Cold Storage Co., 427  
 E. Main, Portland  
 Deschutes Ice Co., Bend  
 Enterprise Creamery, Enterprise  
 Eugene Fruit Growers' Assn., Eugene  
 Forest Grove Ice & Fuel Co., Forest  
 Grove  
 Hawthorne Artificial Ice Co., 1048  
 Hawthorne Ave., Portland  
 Hubbard Creamery Co., Hubbard  
 Ice & Cold Storage Co., Medford  
 Jackson County Creamery, Medford  
 Klamath Ice & Storage Co., Klamath  
 Falls  
 Lebanon Creamery Co., Lebanon  
 McMinnville Ice Co., McMinnville  
 Medford Ice & Storage Co., Medford  
 Milton Ice & Cold Storage Co., Milton  
 Montavilla Ice Co., 1995½ E. Stark,  
 Portland  
 National Cold Storage & Ice Co., 309  
 E. Washington, Portland  
 Oregon City Ice & Cold Storage Co.,  
 Oregon City  
 Peterson, E. E., Seaside  
 Portland Artificial Ice Co., 18th and  
 Upshur, Portland  
 Roseburg Ice & Storage Co., Roseburg  
 St. Johns Ice & Cold Storage Co., 339  
 Lombard, Portland  
 Snider Dairy & Produce Co., Med-  
 ford  
 Terminal Ice & Cold Storage Co., 3rd  
 and Hoyt, Portland  
 Weinhard Plant, H., 470 Burnside,  
 Portland

## ICE CREAM

Ashland Creamery Ashland  
 Blue Mountain Creamery, La Grande  
 Buttercup Ice Cream Co., Salem  
 Eugene Fruit Growers' Assn., Eugene  
 Hazelwood Confectionery & Restau-  
 rant, 388 Washington, Portland  
 Hoefler, H. R., Astoria

Lebanon Creamery, Lebanon  
 Mutual Creamery Co., Astoria  
 Mutual Creamery Co., 72 E. 7th,  
 Portland  
 Mt. Hood Ice Cream Co., 230 E. 6th,  
 Portland  
 Norman Ice Cream Factory, The  
 Dalles  
 Polar Ice Cream Co., Astoria  
 Rainier Creamery, Rainier  
 Sweetland, Inc., 269 Morrison, Port-  
 land  
 Valley Creamery, La Grande  
 Weatherly Ice Cream Co., E. 7th and  
 Salmon, Portland  
 Winkley's Creamery, Corvallis  
 White Clover Ice Cream Co., 505 E.  
 Burnside, Portland

## ICE CREAM CONES

Pacific Coast Cone Co., 22 E. 8th,  
 Portland  
 Perfection Manufacturing Co., cor.  
 Macadam and Admiral Ave., Port-  
 land

## MACARONI, SPAGHETTI, ETC.

Columbia Macaroni Co., 270 1st, Port-  
 land  
 Lehmann Co., Geo. A., 161 Russell,  
 Portland  
 Oregon Macaroni Mfg. Co., 65½ E.  
 8th, Portland  
 Porter Scarpelli Macaroni Co., Col.  
 Blvd. and Fenwick, Portland

## MILK CONDENSERS

Carnation Milk Produce Co., Forest  
 Grove (Plants at Forest Grove and  
 Hillsboro)  
 Dennos Food Co. of Portland, 921  
 Union Ave., N., Portland  
 Henningsen Produce Co., 180 Burn-  
 side, Portland (Plants at Portland,  
 Newberg and Scio)  
 Holly Milk & Cereal Co., Amity  
 Nestle's Food Co. Inc., Chamber of  
 Commerce Bldg., Portland (Plants  
 at Bandon and McMinnville)  
 Oregon Milk Co., 180 Burnside, Port-  
 land  
 Sunrise Milk Products Co., North  
 Bend

## NOODLES

Sun-Meen Co., 63 N. 4th, Portland

## OLEOMARGARINE

Swift & Co., 285 Hoyt, Portland

## PACKING, FISH

Schmidt & Co., Inc., S., Astoria  
 Umpqua Fish, Storage & Supply Co.,  
 Gardiner

PACKING, FRUIT AND  
VEGETABLES

Allen Fruit Co., Dundee  
 California Packing Corporation, Ken-  
 ton Station, Portland, Roseburg  
 Dundee Fruit Growers & Packers,  
 Dundee  
 Oregon Growers' Packing Corp.,  
 Salem

## FOOD PRODUCTS—Continued

Producers Canning & Packing Co.,  
Salem  
Scarborough, L. D., Creswell  
Swingle, C. J., Yamhill  
Willamette Valley Prune Ass'n.,  
Salem

## PACKING, MEAT

Adams Bros., Columbia Blvd., Port-  
land  
Albina Dressed Beef Co., 514 Wil-  
liams Ave., Portland  
Boston Packing Co., 13th and An-  
keny, Portland  
Frye & Co., 13th and Hoyt, Portland  
Grande Ronde Meat Co., La Grande  
Nebergall Meat Co., D. E., Albany  
Schultz Food Co., Forest Grove  
Sinclair Provision Co., 475 Everett,  
Portland  
Swift & Co., North Portland

## PEANUT BUTTER

Hoody Peanut Butter Co., E. Oak and  
8th, Portland  
Lang & Co., 1st and Ankeny, Portland  
Royal Nut Mfg. Co., 42½ E. 28th,  
Portland  
Wadhams & Co., 75 4th, Portland  
Wadhams & Kerr Bros., 13th and  
Davis, Portland

## PICKLES

California Packing Co., Kenton Sta.,  
Portland  
Knight Packing Co., 474 E. Alder,  
Portland (Plants at Cornelius, Med-  
ford and Portland)  
Oregon Packing Co., Salem  
Oregon Pickle & Canning Co., Gresham  
Sterling Food Products, 1122 Maca-  
dam, Portland  
Wadhams & Kerr Bros., 13th and  
Davis, Portland

## POTATO CHIPS

Rose City Chips, 980 Division, Port-  
land  
Table Supply Mfg. Co., 202 Morris,  
Portland  
Williams & Co., Mississippi and Mor-  
rison, Portland

CANNERIES, PRESERVES, JAMS,  
JELLIES

Alice Love's Marmalade, 1004 E. 27th  
N., Portland  
Dickinson Co., Inc., Oswego  
Farwest Canning Co., Astoria  
Knight Packing Co., 474 E. Alder,  
Portland  
Northwest Products Co., Salem  
Port-O-Fruit Products Co., 787 Wash-  
ington, Portland

## LEATHER AND RUBBER

## LEATHER PRODUCTS

Ball Leather Co., 848 Clackamas,  
Portland  
Breyman Leather Co., 2d and Oak,  
Portland

Rupert & Co., Worcester Bldg, Port-  
land  
Starr Fruit Products Co., 321 E. Yam-  
hill, Portland  
Sterling Food Products Co., Inc., 1122  
Macadam, Portland  
Wadhams & Kerr Bros., 481 Davis,  
Portland

## RICE

Furuya Co., M., 58 N. 4th, Portland

## SAUSAGE

Baker Packing Co., Baker  
Boston Packing Co., 1-17 2nd, Port-  
land  
City Meat Market, Pendleton  
Echo Meat Market, Echo  
Palace Market, Bend  
Smith Packing Co., Baker

## SAUERKRAUT

Knight Packing Co., 474 E. Alder,  
Portland  
Oregon Packing Co., Salem  
Sterling Food Products Co., Inc., 1122  
Macadam, Portland  
Stolz Co., Gideon, Salem

## STARCH

Northwest Potato Starch & Milling  
Co., Gresham  
Pacific Potato Starch Co., Beaverton

## SYRUPS

Conner & Co., 841 Macadam, Portland  
Pacific Coast Syrup Co., 24 N. Front,  
Portland  
Wadhams & Kerr Bros., 13th and  
Davis, Portland

## VINEGAR

Commercial Cider Works, Salem  
Eugene Fruit Growers' Assn., Eugene  
(Plants at Creswell, Junction City  
and Eugene)  
Freewater Cannery, Freewater  
Hansen Manufacturing Co., 6516 Pow-  
ell Valley Road, Portland  
Hood River Apple Vinegar Co., Hood  
River  
Jones Bros & Co., 64 Albina Ave.,  
Portland (Plants at Newberg and  
Portland)  
Knight Packing Co., 474 E. Alder,  
Portland (Plants at Cornelius, Med-  
ford and Portland)  
Leis, B., Beaverton  
Sterling Food Products Co., 1122  
Macadam, Portland  
Stolz Co., Gideon, Salem  
Weinhard Plant, H., 475 Burnside,  
Portland

## LEATHER AND RUBBER—Continued

Simmons Glove Mfg. Co., Phoenix Bldg., Portland  
 Skuses Auto Sport Shop, 63 6th, Portland  
 West Coast Tanning Co., 892 Tenino Ave., Portland

## BELT LEATHER

American Belt & Hose Co., E. Water and Yamhill, Portland  
 Oregon Fan Belt & Mfg. Co., 142½ 2nd, Portland

## BELTS, MEN'S

Keller Harness Co., Portland  
 Wagner Razor Strop Co., 245 E. 45th, Portland

## HARNESS, COLLARS

Clark Saddlery Co., John, 104 Front, Portland  
 Cronin Co., The P. J., 129 First, Portland  
 Keller Harness Co., The, 49 N. 6th, Portland  
 Koontz Harness Co., The, 110 1st, Portland  
 Lawrence Co., The Geo., 80 1st, Portland  
 McMonies & Co., W. H., 375 E. 6th, Portland  
 Noble, E. G., Heppner  
 Sharkey & Son, P., 53 Union Ave., Portland

## RUBBER

Colby Compression Tube Co., 361 Burnside, Portland  
 Columbia Tire Corporation, N. W. Bank Bldg., Portland  
 Huntington Rubber Mills, Nevada and Macadam, Portland  
 Prufo Garment Co., 663 Hood, Portland

Titus Garment Co., 82½ 5th, Portland  
 Traction Tread Tires Co., 301 Hawthorne Ave., Portland  
 Universal Tire Filler Co., 441 Hawthorne Ave., Portland

## SADDLE TREES

Leisure & Van Bebber, 1506 Macadam, Portland  
 McMonies & Co., W. H., 375 E. 6th, Portland

## SADDLERY

Clark Saddlery Co., John, 104 Front, Portland  
 Cronin Co., The P. J., 129 1st, Portland  
 Keller Harness Co., 49 N. 6th, Portland  
 Koontz Harness Co., The, 110 1st, Portland  
 Lawrence Co., The Geo., 1st and Oak, Portland  
 Leisure & Van Bebber, 1506 Macadam, Portland  
 McMonies & Co., W. H., 440 Hancock, Portland  
 Noble, E. G., Heppner  
 Sharkey & Son, P., 53 Union Ave., Portland

## SHOES

Bergman Shoe Mfg. Co., The, 621 Thurman, Portland

## TANNERIES

Albany Tannery Co., Albany  
 Angora Rug & Fur Works, Salem  
 Muir & McDonald Co., Dallas  
 Star Tannery, Albany  
 Weber Tanning Co., 1710 Macadam Road, Portland  
 West Coast Tanning Co., 892 Tenino Ave., Portland

## METAL PRODUCTS

## BAG TURNING MACHINE (Bag Reversing)

Commercial Iron Works, Union Ave. and Stephens, Portland  
 Economy Wire Tie & Mfg. Co., 55 1st, Portland

## BANK FIXTURES

Columbia Wire & Iron Works, 466 E. Market, Portland  
 Oregon Brass Works, 73 N. 2nd, Portland  
 Portland Wire & Iron Works, 294 2nd, Portland  
 Western Fixture & Show Case Co., 48 N. 10th, Portland

## BED SPRINGS

King Fisher Mattress Co., 478 Albina Ave., Portland

## BLOWER PIPE AND DUST CONVEYING SYSTEMS

Bayer Co., J. C., 204 Market, Portland  
 Northwest Blow Pipe Co., 554 Delay, Portland

Pacific Blow Pipe Co., 116 E 11th, N., Portland  
 Silverton Blow Pipe Co., Silverton

## BOILERS, STEEL TANKS

East Side Boiler Works, ft. of E. Main, Portland  
 King Bros. Boiler Works, 663 Lafayette at 18th, Portland  
 Pacific Car & Foundry Co., 219 E. 60th N., Portland  
 Pacific Marine Iron Works, E. Water and Main, Portland  
 Phoenix Iron Works, E. 3rd and Hawthorne Ave., Portland  
 Portland Boiler Works, 17th and Pettygrove, Portland  
 Portland Brazing & Machine Works, 266 Glisan, Portland  
 Rosebraugh, W. W., 17th and Oak, Salem  
 Smith & Waston Iron Works, 412 Front, Portland  
 Western Structural Steel & Tank Co., E. 63rd and Halsey, Portland  
 Willamette Iron & Steel Works, 462 N. Front, Portland

## METAL PRODUCTS—Continued

## BOLTS AND NUTS

North Pacific Spike Co., 4th and Hoyt  
Portland  
Northwest Bridge & Iron Co., ft. of  
Sheridan, Portland  
Portland Bolt & Mfg. Co., 210 N. 14th,  
Portland

## BRAKE SHOES, (LOGGING)

Independent Foundry Co., 743 York,  
Portland  
Shofner Brake Shoe Foundry, Linnton  
Sta., Portland

## CANS

American Can Co., N. Front and 14th,  
Portland  
Columbia River Packers Assn., Astoria  
Elmore & Co., S., Astoria

## CANNING MACHINERY

Armstrong Machinery Co., 4 2d, Port-  
land

CASTINGS, BRASS, BRONZE, IRON,  
STEEL

Albany Iron Works, Albany  
American Marine Iron Works, ft. of  
N. Richmond, Portland  
Ashland Iron Works, Ashland  
Astoria Marine Iron Works, Astoria  
Beaver State Motor Co., Gresham  
Bend Iron Works, Bend  
Columbia Steel Co., 10th and Johnson,  
Portland  
Commercial Iron Works, Union and  
Stephens, Portland  
Coos Bay Iron Works, Marshfield  
Crawford & Doherty Foundry Co., 934  
E. 17th, Portland  
Dallas Machine & Locomotive Works,  
Dallas  
Electric Steel Foundry, 22nd and  
York, Portland  
Harper's Brass Works, 106 N. 5th,  
Portland  
Harris Foundry, 439 Vancouver Ave.,  
Portland  
Hesse-Ersted Iron Works, E. 8th and  
Taylor, Portland  
Hiner Foundry & Machine Co., Tilla-  
mook  
Independent Foundry Co., 23rd and  
York, Portland  
Klamath Iron & Steel Works, Klamath  
Falls  
La Grande Iron Works, La Grande  
Leach Bros., & Co., Hood and Car-  
uthers, Portland  
Medford Iron Works, Medford  
Newberg Iron Works, Newberg  
North Bend Iron Works, North Bend  
Northwest Brass Foundry, 369 Grand,  
Portland  
Oregon Brass Works, 73 N. 2d, Port-  
land  
Oregon City Foundry, Oregon City  
Oregon Iron & Steel Co., Oswego  
Oregon Foundry Co., 60 Clark, Port-  
land  
Pacific Brass and Steel Foundry, 215  
7th, Portland

Pacific Foundry & Machine Works,  
439 Vancouver, Portland  
Pacific Iron Works, 29th and Clacka-  
mas, Portland  
Pendleton Iron Works, Pendleton  
Peninsula Foundry & Machine Works,  
Crawford and Alta, Portland  
Phoenix Iron Works, E. 3d & Haw-  
thorne Ave., Portland  
Portland Iron Works, 14th & North-  
rup, Portland  
Reedsport Iron Works, Reedsport  
Rogers, W. F., Bandon  
Salem Iron Works, Salem  
Scow Bay Iron & Brass Works, Asto-  
ria  
Shofner Brake Shoe Foundry, Linnton  
Sta., Portland  
Silverton Foundry Co., Silverton  
Smith & Watson Iron Works, 412  
Front, Portland  
Steinbach Machine Shop, Tillamook  
Veltum & Clow Mfg. Co., Eugene  
Western Foundry Co., 626 Hood,  
Portland  
Wood-Ewing Iron Works, 1371 Ma-  
cadam, Portland  
Woods Iron Works, John, 461 E. Al-  
der, Portland

## DIE STAMPING

Associated Engineering Corp., 427  
Hancock, Portland  
Coin Machine Mfg. Co., 984 E. 17th,  
Portland  
Western Tool & Die Works, 109 N.  
3rd, Portland

## DISC WHEELS

Paragon Disc Wheel Co., 254 Haw-  
thorne, Portland

## ENGINES

Albina Engine & Machine Works, 28  
Albina Ave., Portland  
Beaver States Motor Co., Gresham  
Coos Bay Iron Works, Marshfield  
Helser Machine Shop, 493 N. 22nd  
Portland  
Phoenix Iron Works, 360 Hawthorne  
Ave., Portland  
Salem Iron Works, Salem  
Smith & Watson Iron Works, 400  
Front, Portland  
Tuerck & McKenzie, 160 E. 3rd N.,  
Portland  
Willamette Iron & Steel Works, 462  
N. Front, Portland

## ENGINEERING INSTRUMENTS

Leopold-Volpel & Co., 107 E. 70th,  
Portland

## FARM ROOM MACHINERY

Armstrong Machinery Co., 4 2d, Port-  
land

## FIRE ESCAPES

City Iron Works, 107 N. 2nd, Portland

## FISHING SPINNERS

Oregon Fishing Spoon Co., 245½  
Morrison, Portland

**METAL PRODUCTS—Continued****FLUMES, CULVERTS**

Coast Culvert & Flume Co., Columbia  
Blvd & Derby, Portland  
Feenaughty Machinery Co., 309 E.  
Yamhill  
U. S. Manufacturing Co., Ontario

**FURNACES**

Austin Sheet Metal Works, 387 E. Al-  
der, Portland  
Bayer & Co., J. C., 204 Market, Port-  
land  
Hess Furnace Mfg. Co., 304 Oak, Port-  
land  
McPherson Co., The W. G., 19th &  
Wilson, Portland  
Rosebraugh, W. W., Salem

**GALVANIZING**

Portland Galvanizing Co., 22nd &  
Reed, Portland

**IRON SPIKES**

North Pacific Spike Co., 4th and  
Hoyt, Portland

**LOGGERS' EQUIPMENT**

Associated Engineering Corp., 427  
Hancock, Portland  
Independent Foundry Co., 743 York,  
Portland  
Pacific Car & Foundry Co., 219 E.  
60th, N., Portland  
Smith & Watson Iron Works, 400  
Front, Portland  
Stewart Bros. Co., 271 Pine, Portland  
Willamette Iron & Steel Works, 462  
N. Front, Portland

**MACHINE BITS**

Morales, M., 5 Union, Portland

**METAL FURNITURE AND  
FIXTURES**

Simmons Co., The, 1186 Macadam Rd.,  
Portland

**MOTION PICTURE SLIDES**

Enterprise Slide Co., Merchants Trade  
Bldg., Portland

**OIL METERS**

Western Engineering Works, ft. of  
Richmond, Portland

**ORNAMENTAL IRON AND WIRE**

City Iron Works, 107 N. 2nd, Port-  
land  
Columbia Wire & Iron Works, E. 8th  
and Market, Portland  
Northwest Fence & Supply Co., 52  
Union Ave., Portland  
Portland Ornamental Iron Works, 52  
N. 9th, Portland  
Portland Wire & Iron Works, 294 2nd,  
Portland  
Reliance Wire & Iron Works, 52  
Union Ave., Portland  
Tuerck, Henry K., 53 N. 9th, Portland

**PIPE**

Hillsboro Power & Investment Co.,  
Hillsboro  
Shaffer Copper Works, 22nd & Reed  
Portland

**PLATING**

California Plating Works, 212 2nd,  
Portland  
Halverson Co., The, E. Oak & Union  
Ave., Portland

**SASH WEIGHTS**

Leach Bros. & Co., Hood and Caruth-  
ers, Portland

**SHINGLES—METAL**

Williams, L. E., 49 Union, Portland

**SHEET METAL**

Associated Engineering Co., 427 Han-  
cock, Portland  
Bayer, J. C., 204 Market, Portland  
Curry, W. A., 128 Union, Portland  
Fisch, N. B., 105 N. 15th, Portland  
Grand Sheet Metal Works, 60 E. 3d  
Portland  
Gunther-King Co., 146 Page, Port-  
land  
Hirschberger & Co., H., 247 Ankeny,  
Portland  
McPherson, W. G., 19th & Wilson,  
Portland  
National Appliance Co., 935 Sandy  
Blvd., Portland  
Northwest Blow Pipe Co., 554 Delay,  
Portland  
Northwest Metal Products Co., E.  
Water and Taylor, Portland  
Northwestern Metalware Co., 201 E.  
Water, Portland  
Portland Sheet Metal Works, 429 E.  
Madison, Portland  
Purdin Metalware Co., 88 N 2d, Port-  
land  
Silverton Blow Pipe Co., Silverton  
United Sheet Metal Works, ft. of E.  
Morrison, Portland

**SHEET METAL SPECIALTIES**

McDonald & Wyncoop, 2d and Madi-  
son, Portland

**SHIPBUILDING, STEEL**

Northwest Steel Co., ft. of Sheridan,  
Portland

**SIGNALS**

Davidson Stop Signal Co., 240 E. 7th,  
Portland

**SIGNS**

City Sign Co., 329 Oak, Portland  
Portland Sign Co., 289 Stark, Port-  
land  
Rann Sign Co., 125 Grand Ave., Port-  
land  
Union Sign Co., 79 West Park, Port-  
land

**SMELTER, ELECTRIC**

Western Reduction Co., 24th & Nico-  
lai, Portland

## METAL PRODUCTS—Continued

## SOLDER, BABBIT AND TYPE METALS

Multnomah Metal Co., 312 Front, Portland  
 Pacific Metal Co. of Oregon, 81 N. Park, Portland

## SPARK ARRESTORS

Adams Spark Arrestor Co., 116 E. 11th N., Portland

## SPIKES AND NUT LOCKS

North Pacific Spike Co., 4th and Hoyt, Portland

## SPRINGS—VEHICLE

Benz Spring Co., 89 N. 9th, Portland  
 Best Spring Co., 9th and Hoyt, Portland

## STOVES AND RANGES

Montague Stove Works, 101 W. Columbia Blvd, Portland  
 Northwest Stove Works, 260 E 6th, Portland  
 Northwestern Metalware Co., 201 E. Water, Portland  
 Portland Stove Works, Kenton Sta., Portland

## MISCELLANEOUS MANUFACTURING

## ADVERTISING CUTS, HALF-TONES, ETC.

Beaver Engraving Co., 148 5th, Portland  
 Oregon Engraving Co., Pittock Bldg., Portland  
 Portland Electrotype & Stereotype Co., 92 Front, Portland  
 Portland Engraving Co., 167 4th, Portland  
 West Coast Engraving Co., Commonwealth Bldg., Portland

## ADVERTISING NOVELTIES

Irwin-Hodson Co., 115 N. 15th, Portland  
 Kelley, Fred L. Co., 88 1st, Portland

## AGATE PRODUCTS

Miller-Steinau, Globe Bldg., Portland  
 Rogue River Agate Co., Ashland

## AIR COMPRESSOR, GARAGE AUTOMATIC, PORTABLE ROAD

Coast Steel & Machinery Co., 50 1st, Portland  
 Coos Bay Iron Works, Marshfield

## APPLIANCES, SURGICAL AND DEFORMITY

Karlson, K. E. & Co., 450 Burnside, Portland  
 Oregon Artificial Limb Co., 2d and Taylor, Portland

## ASBESTOS PRODUCTS

Gillen-Cole Co., 60 N. Front, Portland  
 Pacific Asbestos & Supply Co., 311½ N. Front, Portland

## STRUCTURAL STEEL

City Iron Works, 107 N. 2nd, Portland  
 Maeder Field Products Co., 617 Vaughan, Portland  
 Northwest Bridge & Iron Co., Ft of Sheridan, Portland  
 Pacific Iron Works, E. 29th and Clackamas, Portland

## TOOLS

Storey, T. W., 51 Union Ave., Portland

## UTENSILS

Aluminum Cooking Utensil Co., 520 Irving, Portland  
 Metal Products Co., 1002 E. Fessenden, Portland  
 Oregon Sheet Metal Works, 146 Front, Portland  
 Portland Tinware Mfg. Co., 47 First Portland

## VATS

Shaffer Copper Works, 22nd & Reed, Portland

## WIRELESS EQUIPMENT

Tepco Mfg. Co., 244 Hawthorne Ave., Portland

Portland Asbestos Factory, 539 Albina Ave., Portland

## AUTO-AIR VALVES

Graffinberger Valve Co., 330 E. Morrison, Portland

## AUTO BATTERIES

Allen Bros., Storage Batteries Co., 330 Flanders, Portland  
 Gould Battery Co., 92 N. 10th, Portland  
 Mac-Dry Battery Co., 132 Broadway, Portland  
 Union Ave. Battery Co., 488 Union Ave. N., Portland

## AUTO BEDS

Hall Mfg. Co., 181 Grand Ave., Portland

## AUTO FENDERS AND RADIATORS

Burness Auto & Body Works, 12th and E. Everett, Portland  
 Winans Bros., 181 Columbia, Portland

## AUTO LOCKS

Covey Motor Car Co., Washington & 21st, Portland

## AUTO RINGS

V-Plex Piston Ring Co., Medford

## AUTO SIGNALS

Davidson Stop Signal, 240 E. 7th, Portland  
 U. S. Signal Co., 504 Burnside, Portland

## MISCELLANEOUS MANUFACTURING—Continued

## AUTO SPECIALTIES AND ACCESSORIES

Northwest Mfg. Co., 240 E. 7th, Portland  
 Patton Automatic Co., 409 Oak, Portland  
 Whiz Auto Products Co., 19th and Upshur, Portland

## AUTO SPRINGS

Laher Auto Spring Co., 31 N. 15th, Portland

## AUTO TOPS

Auto Top Co., 431 Burnside, Portland  
 Dubruielle Top Co., 395 Oak, Portland  
 Multnomah Auto Top Co., 540 Alder, Portland  
 Wentworth Top & Body Works, 188 Grand Ave., Portland

## AUTO AND TRUCK BODIES

Burness Auto & Body Works, 12th and Everett, Portland  
 Curry, A. W., 123 Union Ave., Portland  
 Eureka Carriage & Auto Works, 327 Couch, Portland  
 New Haven Carriage Works, 304 Everett, Portland  
 Peterson, Carl, 383 E. Pine, Portland  
 Universal Body Corporation, E. 29th & Sandy, Blvd., Portland  
 Wentworth & Irwin, Inc., 2nd & Taylor, Portland  
 Wentworth Top & Body Works, 188 Grand Ave., Portland  
 Winans Bros, 181 Columbia, Portland

## AUTO WHEELS

Raymond Auto Wheel Works, 49 N. 9th, Portland  
 Wagner Auto Wheel Works, 49 N. 9th, Portland

## AUTOMATIC AND NON-SKID BRAKES

Automatic Electric Brake Co., Roseburg  
 Non-Skid Brake Rod Co., 187 Columbia, Portland

## BONE MEAL AND SHELL GRINDING

Oregon Bone Meal Works, Lents Sta., Portland  
 Pacific Products Co., 1091 Thurman, Portland  
 Sterrett Packing Co., Kenton Station, Portland  
 Swift & Co., Kenton Sta., Portland

## BOXES, PAPER

Clark, H. B., 1 Union Ave., Portland  
 Columbia Paper Box Co., 212 E. 25th, N. Portland  
 Oregon Paper Box Factory, 245½ Stark, Portland  
 Portland Paper Box Co., 92 Front, Portland  
 Simpson Paper Box Co., 427 Hancock, Portland  
 Stettler Mfg. Co., F. C., Oregon & Occident, Portland

## BRIQUETS, (FUEL)

Portland Gas & Coke Co., Gasco Bldg., Portland

## BROOMS

American Brush Mfg. Co., 369 E. Washington, Portland  
 Lang & Co., First and Ankeny, Portland  
 National Broom Mfg. Co., 93 Union Ave., Portland  
 Portland Brush & Broom Works, 109 Grand Ave., Portland  
 Rogue River Broom Works, Medford  
 Standard Broom Co., Inc., E. 73rd & Glisan, Portland  
 Zan Bros., 22d and York, Portland

## BRUSHES

American Brush Mfg. Co., 369 E. Washington, Portland  
 Portland Brush & Broom Works, 109 Grand Ave., Portland  
 Richard Brush Co., 329 Morrison, Portland  
 Rogue River Broom Works, Medford

## CIGARS

Becker, Edw., Woodburn  
 Becker, S. L., Forest Grove  
 Coke, B. C., Marshfield  
 Devlin, Jas. A., Pendleton  
 Donaldson, Don, 614 E. Mohawk, Portland  
 Eagles, Wm., Albany  
 Eugene Cigar Factory, Eugene  
 Flynn, Chas. I. & Co., Baker  
 Gardiner Cigar Co., 209½ Madison, Portland  
 Groke, Otto, North Bend  
 Gutzeit & Vermiere, Astoria  
 Hackman, Chas. E., La Grande  
 Heitkemper, Anthony B., 247 Grand Ave., Portland  
 Heitkemper, John, 151 Porter, Portland  
 Henderson, Hal, 279 N. Commercial, Salem  
 Highway Cigar Co., Hood River  
 Hood River Cigar Co., Hood River  
 Hitchings, S. S., Newport  
 Imperial Cigar Factory, Astoria  
 Johansen Bros., Astoria  
 Kaufman, L. C., Medford  
 King, Joseph, 1011 Belmont, Portland  
 Koberstein, Karl, 243 Ash, Portland  
 La Gran Marca Cigar Co., 72 6th-Portland  
 Lambrecht, Jos. J., Stayton  
 Lang, Mathias, 537 Milwaukie, Portland  
 Lange, Robt., 467 E. Market, Portland  
 Lawrence, Edgar H., Klamath Falls  
 Lewis & Clark Cigar Co., 1168 Division, Portland  
 McCourt, Aubrey, Albany  
 McFadden, Chas. F., Hillsboro  
 Mildman Cigar Co., Inc., 43½ E. 3d, Portland  
 Milliken, Carl L., 1734 11th, Baker  
 Moore, Jos. L., Astoria  
 Nagel, Chas. F., 368 Russell, Portland  
 Pendergast, Frank, Harrisburg  
 Pedro Vegas Cigar Factory, Astoria

## MISCELLANEOUS MANUFACTURING—Continued

Ramsey, Wm. J., 432 San Rafael,  
Portland  
Rogue River Valley Cigar Works,  
Medford  
Schmidt, John V., Grants Pass  
Selleck, Geo. W., 713 N. Jersey, Port-  
land  
Sharp, Richard R., 505 Lumber Ex-  
change Bldg., Portland  
Soderback, O. T. & Son, 420 Vancouver  
Ave., Portland  
Storkmann, Aug., Lakeview  
Surbeck Bros., Baker  
Thielemann, E., 604 Thurman, Port-  
land  
Van Rex Cigar Co., 139 10th, Astoria  
Washburn, S. J., 215 E. 2d, The Dalles  
Welch Bros., Baker  
Weisner, John G., McMinnville  
Williamson, Wm. A., Corvallis  
Woldt, Ben & Son, 274 3d, Portland

## COCOANUT OIL

Palm Olive Co., 20th & York, Port-  
land

## CORDAGE

Portland Cordage Co., 14th & North-  
rup, Portland

## COUGH DROPS

Stearns-Eddy Co., E. 17th and Sandy  
Blvd., Portland

## DOLLS, ETC.

Columbia Statutory Co., 370 Haw-  
thorne Ave., Portland  
Lipschuetz & Katz, 304½ Pine, Port-  
land

## DRY KILN EQUIPMENT

Moore Dry Kiln Co., North Portland

## ELECTRIC FIXTURES

Ainge & Co., Peter, 29th & Nicolai,  
Portland  
Baker Sales Mfg. Co., 263 16th, Port-  
land  
English Co., J. C., 148 5th, Portland  
Halverson Co., 374 E. Oak, Portland  
Hippely, E., 224 Oak, Portland  
Packard-Pierce Fixture Mfg. Co., 334  
E. Stark, Portland  
Walsh Electric Co., M. J., 75½ N.  
10th, Portland  
Western Reduction Co., 806 Nicolai,  
Portland

ELECTRIC SWITCHBOARDS AND  
PANELS

Western Electric Works, 213 6th,  
Portland

ELECTROTYPES AND STEREO-  
TYPES

Portland Electrotypes & Stereotype  
Co., 92 Front, Portland

## ELEVATORS

Columbia Elevator Co., 254 E. 6th,  
Portland  
Hippely, E., 224 Oak, Portland  
Otis Elevator Co., 13th & Burnside,  
Portland

Portland Elevator Co., 480 E. Mill,  
Portland  
Sturm Dumbwaiter & Elevator Co.,  
289 Union Ave., Portland  
Supple & Walker, 177 E. Water, Port-  
land

## ENGRAVINGS

Beaver Engraving Co., 148 5th, Port-  
land  
Bushong & Co., 91 Park, Portland  
Chausse-Prudhomme Co., 306 Davis,  
Portland  
Dimm & Sons Printing Co., Henry  
Bldg., Portland  
Glass & Prudhomme Co., 65 7th Port-  
land  
Kilham Stationery & Printing Co., 5th  
& Oak, Portland  
Oregon Engraving Co., Pittock Block,  
Portland  
Pacific Stationery & Printing Co., 107  
2nd, Portland  
Portland Electrotypes & Stereotype  
Co., 92 Front, Portland  
Portland Engraving Co., 167 4th,  
Portland  
West Coast Engraving Co., Common-  
wealth Bldg., Portland

## FERTILIZERS

American Minerals Producing Co.,  
Vale  
De Force Oil Works, Astoria  
Oregon Bone Meal Works, Lents Sta.,  
Portland  
Sterrett Packing Co., Kenton Sta.,  
Portland  
Swift & Co., North Portland

## FLAX FIBER

Oregon Flax Fiber Co., Turner

## FLOUR MILL FURNISHINGS

Ross Mill Furnishings Co., J. J., 61  
Front, Portland

## FURNITURE POLISH

Lusterol Mfg. Co., 4610 Woodstock  
Ave., Portland

## GARMENT HANGERS

Oregon Garment Hanger Mfg. Co.,  
1029 Union Ave, Portland

## GAS ENGINES

Beaver State Motor Co., Gresham  
Coos Bay Iron Works, Marshfield  
Salem Iron Works, Salem

GAS, OXYGEN AND HYDROGEN  
Portland Oxygen & Hydrogen Co.,  
17th and Center, Portland

GAS SAVING DEVICE FOR AUTOS  
J. & L. Manifold Manufacturers, The,  
Portland

GLASS, ART, MIRROR AND  
ORNAMENTAL

Central Door & Lumber Co., Holgate  
and 24th, Portland  
Oregon Mirror & Beveling Works, 103  
N. 5th, Portland  
Portland Art Glass Co., Inc., 543  
Madison, Portland  
Povey Bros. Glass Co., 100 N. 5th,  
Portland

## MISCELLANEOUS MANUFACTURING—Continued

## ICE MACHINES

Bell Ice Machine & Refrigerator Co.,  
63 E. 8th, Portland  
Harris Ice Machine Works, The, 174  
E. Water, Portland

## INCUBATORS AND BROODERS

McClanahan Incubator Co., Eugene

## JEWELRY

Butterfield Bros., 34 Morrison, Port-  
land  
Jaeger Bros., 131 6th, Portland  
Myers Co., W. S., Selling-Hirsch Bldg.  
Portland

## MANUFACTURING CHEMISTS

Blumauer-Frank Drug Co., 355 Ever-  
ett, Portland  
Clarke, Woodward Drug Co., Wood-  
Lark Bldg., Portland  
Cocoaize Products Co., 150 E. 7th,  
Portland  
Danner & Co., 846 Multnomah, Port-  
land  
Eshencott Chemical Co., Stock Exch.  
Bldg., Portland  
Fowler Mfg. Co., Worcester Bldg.,  
Portland  
Multnomah Chemical Co., 371 E. Mor-  
rison, Portland  
Palmer Co., Gene, 374 Hassalo, Port-  
land  
Prufco Products Co., Union and Oak,  
Portland  
Shaffner Co., S. E., 3d and Hoyt,  
Portland  
Stearns-Eddy Co., E. 17th and Sandy  
Blvd., Portland

## NOVELTIES, WOOD

Pomeroy & Duncan, Marshfield

## OIL, FISH

De Force Oil Works, Astoria

## OIL, LINSEED AND VEGETABLE

Portland Linseed Oil Co., 22nd &  
Sherlock Ave., Portland  
Portland Vegetable Oil Mills Co., 580  
Front, Portland

ORE REDUCING AND CHEMICAL  
MANUFACTURING

Pacific Ore Reduction and Chemical  
Mfg., Co., Grants Pass

## PAINTS

Acme White Lead & Color Works, 187  
2d, Portland  
Burton Co., 175 Grover, Portland  
Carbolineum Preserving Co., 222½ E.  
Water, Portland  
Dunne, D. M., 611 Roosevelt, Portland  
Fisher-Thorsen Co., 514 N. 29th, Port-  
land  
Fuller & Co., W. P., Morrison & Front,  
Portland  
Pidcock & Hazel, 145 1st, Portland  
Portland Door & Window Co., 230  
Front, Portland  
Rasmussen & Co., 2nd & Yamhill,  
Portland

## PAPER

Crown-Willamette Paper Co., Pittock  
Block, Portland (Plants at West  
Linn and Lebanon)  
Hawley Pulp & Paper Co., Oregon  
City (Plants at Oregon City and  
Milwaukie)  
Oregon Pulp & Paper Co., Salem  
Steno Carbon Paper Co., E. 22d and  
Sandy Blvd., Portland

## PAPER, WAXED

Western Waxed Paper Co., North  
Portland

## PENCILS, SLATE

Bend Juniper Products Co., Bend  
Redmond Juniper Mfg. Co., Redmond

## PRINTING SUPPLIES

American Type Founders Co., 47 4th,  
Portland  
Brackney & Co., McKay Bldg., Port-  
land  
California Ink Co., 41 1st, Portland  
Steno Carbon Paper Co., E. 22d and  
Sandy Blvd., Portland

## PULLEYS, WOODEN

Portland Pulley Co., 441 E. 50th,  
Portland

## RAZORS AND RAZOR STROPS

Morgan Razor Works, 212 1st, Port-  
land

## ROOFING

Durable Roofing Mfg. Co., Kenton  
Station, Portland

## SAWS, CIRCULAR

Atkins & Co., E. C. 75 1st, Portland  
Disston & Sons, Inc., Henry, 91 1st,  
Portland  
Ohlen & Bishop, Jas., 288 E. Morrison,  
Portland  
Simonds Mfg. Co., 85 1st, Portland

## SAWS, DRAG (POWER)

American Marine Iron Works, Ft of  
Richmond, Portland  
Beaver State Motor Co., Gresham  
Coast Engine & Marine Works, E.  
Taylor & Water, Portland  
Multnomah Iron Works, 30th & Nico-  
lai, Portland  
Referson Machinery Co., 1295 Hood,  
Portland  
Salem Iron Works, Salem  
Vaughan Motor Works, Inc., 475 E.  
Main, Portland  
Wade & Co., R. M., 322 Hawthorne  
Ave., Portland

## SOAPS

Coast Chemical Co., 294 3rd, Portland  
Crax Mfg. Co., 720 1st, Portland  
Gets-It Mfg. Co., 262 3d, Portland  
Luckel, King & Cake Soap Co., 648  
Hood, Portland  
Mt. Hood Soap Co., 270½ Glisan,  
Portland  
Multnomah Chemical Co., 371 E. Mor-  
rison, Portland  
Silverile Co., 84 Union Ave. Portland  
Two J. Soap Co., 323 Russell, Port-  
land  
White Wizard Co., 388 E. Washington,  
Portland  
Wightman Co., Geo. E., 90 11th, Port-  
land

## MISCELLANEOUS MANUFACTURING—Continued

## SPRAYING MACHINERY

Hardie Mfg. Co., The, 55 N. Front,  
Portland

## SPRAYS

California Rex Spray Co., Medford  
Gets-It Mfg. Co., 262 3d, Portland  
Hood River Spray Co., Hood River

## STAMPS, RUBBER

Irwin-Hodson Co., 115 N. 15th, Port-  
land  
Krebs Bros., 242 Stark, Portland  
National Stamp & Seal Works, 250  
Oak, Portland  
Pacific Coast Stamp Works, 63  
Broadway, Portland

## STATUARY

Vezzani D. Statuary Co., 305 3d, Port-  
land

STEEL AND WOOD ROPE BLOCK  
Associated Engineering Co., 427 Han-  
cock, Portland

## TENT PINS

Bilyeu & Wallace, Lebanon

TRUNKS, TRAVELLING BAGS AND  
SUITCASES

Harris Trunk Mfg. Co., 130 6th, Port-  
land  
Multnomah Trunk & Bag Co., 84 E.  
Water, Portland  
Oregon Bag & Suitcase Mfg. Co., 153  
4th, Portland  
Portland Trunk Mfg. Co., 60 3rd, Port-  
land

## WALL BOARDS

Central Door & Lumber Co., Holgate  
and 24th, Portland  
Columbia Wall Board Co., 15th and  
Thurman, Portland  
Pidcock & Hazel, 145 1st, Portland

## PRINTING AND BOOKBINDING

Ansley Printing Co., 252 Washington,  
Portland  
Astoria Budget Publishing Co., Asto-  
ria  
Auterson-Bradley Co., 149½ 1st, Port-  
land  
Baltes & Co., F. W., 1st & Oak, Port-  
land  
Banner-Courier, Oregon City  
Boyer Printing Co., 10th and Yamhill,  
Portland  
Browne & Co., H. C., 373 Yamhill,  
Portland  
Bushong & Co., 91 Park, Portland  
Chausse-Prudhomme Co., 306 Davis,  
Portland  
Chronicle Publishing Co., The Dalles  
Columbia Printing Co., 420 Morrison,  
Portland  
Davis & Holman, Inc., 111 2nd, Port-  
land  
Dempsey & Downs, 227½ Stark, Port-  
land  
Dimm & Sons, Henry Bldg., Portland  
Dunham Printing Co., 116 2nd, Port-  
land  
Dygert & Co., A. J., 231½ Oak, Port-  
land  
East Side Printing Co., 390 Belmont,  
Portland  
Elliott, N. D., Salem  
Glass & Prudhomme Co., 65 7th,  
Portland  
Hanson Map and Blue Print Co., 207  
Concord Bldg., Portland  
Heald-Menerey Co., 317 Abington  
Bldg., Portland  
Herald Printing Co., Albany  
Holly Press, 66½ 1st, Portland  
Independent Printing Co., 208 Alder  
Portland  
Irwin-Hodson Co., 115 N. 15th, Port-  
land

Ivy Press, 383 Stark, Portland  
James, Kerns & Abbott, N. 9th &  
Flanders, Portland  
Kern & Co., A. E., 215 4th, Portland  
Keystone Press, 100½ Front, Port-  
land  
Kilham Stationery & Printing Co., 5th  
& Oak, Portland  
Kleist & Co., Commonwealth Bldg.,  
Portland  
Kubli-Howell Co., 84 4th, Portland  
Lange-Erickson, 111 12th, Portland  
Lincoln & Allen, 112 1st, Portland  
Marsh Printing Co., 122½ Front,  
Portland  
Metropolitan Printing Co., 9th and  
Couch, Portland  
Modern Printing & Publishing Co.,  
9th and Couch, Portland  
Multnomah Printing Co., 231½ Oak,  
Portland  
Oregon Press Co., 320 Davis, Portland  
Pacific Development Society, Astoria  
Pacific Stationery & Printing Co., 107  
2nd, Portland  
Pioneer Library Bindery, 112 1st,  
Portland  
Portland Blue Print Co., Ainsworth  
Bldg., Portland  
Portland Printing House Co., 388  
Taylor, Portland  
Rodgers Paper Co., Salem  
Rogers, J. R., 90 1st, Portland  
Ryder Bros., Baker  
Schwab Printing Co., 245½ Stark,  
Portland  
Sweeney, Varney & Straub, 11th and  
Burnside, Portland  
Swender Blue Print Co., 272½ Stark,  
Portland  
Yoran Printing Co., Eugene

## TEXTILES, CLOTHING AND FURNISHINGS

## APRONS, CARPENTER, FRUIT-PICKING

Hirsch-Weis Mfg. Co., 205 Burnside, Portland  
Medford Tent & Awning Co., Medford

## ART EMBROIDERY, HEMSTITCHING, CLOTH-COVERED BUTTONS

Art Embroidery & Button Co., Morgan Bldg., Portland

## AWNINGS AND TENTS

City Awning & Shade Co., 353 E. Burnside, Portland  
Columbia Awning & Shade Co., 188 2nd, Portland  
East Side Tent & Awning Co., 450 E. Burnside, Portland  
Hirsch-Weis Mfg. Co., 205 Burnside, Portland  
Medford Tent & Awning Co., Medford  
Pacific Tent & Awning Co., 1 2nd, Portland  
Pike Tent & Awning Co., 107 N. 3rd, Portland  
Portland Tent & Awning Co., 220 Burnside, Portland

## BAGS AND BURLAP

Ames, Harris, Neville Co., 522 Hoyt, Portland  
Noon Bag Co., W. C., 34 N. 1st, Portland  
Oregon Bag Co., 53 N 2nd, Portland  
Pike Tent & Awning Co., 107 N. 3rd, Portland  
Winkleman Bag & Burlap Co., 14th & Johnson, Portland

## BUTCHER GARMENTS—COATS SHIRTS AND APRONS

Grellner, F. T., 464 Union Ave. N., Portland

## CAPS, HATS, CLOTH, MEN'S AND WOMEN'S

Columbia Hat Works, 347½ Morrison, Portland  
Elsie's Millinery Mfg., Artisan Bldg., Portland  
Globe Hat & Cap Works, 23 Ainsworth Bldg., Portland  
Jacobs Hat & Cap Works, Phoenix Bldg., Portland  
Lowengart & Co., 11 N. Broadway, Portland  
Metropolitan Hat & Cap Mfg. Co., 131½ 2nd, Portland  
Modern Hat Works, 422 Washington, Portland  
Paris Hat Mfg. Co., 387 Alder, Portland  
Portland Hat & Cap Co., 221 Morrison, Portland

## GARMENTS, MEN'S

Brownsville Woolen Mills, 3rd & Morrison, Portland  
Fleischner-Mayer Co., 2nd and Couch, Portland  
Hirsch-Weis Mfg. Co., 205 Burnside, Portland

Kramer Co., W. P., 201 Couch Bldg., Portland  
Neustadter Bros., 301 Ankeny, Portland  
Oregon City Mfg. Co., Oregon City.  
Pacific Tent & Awning Co., 1 N. 1st, Portland  
Pendleton Woolen Mills, Pendleton  
Utility Garment Co., 124 4th, Portland

## GARMENTS, LADIES' AND CHILDREN'S

Adams Garment Mfg. Co., 234 2nd, Portland  
Art Embroidery & Button Co., Morgan Bldg., Portland  
Ball Waist Co., W. J., Royal Bldg., Portland  
Beaver Cloak & Suit Co., Fleiddner Bldg., Portland  
Eastern Novelty Mfg. Co., 85½ 5th, Portland  
Elson Mfg. Co., 453½ Washington, Portland  
Fleischner, Mayer Co., 2nd and Couch Portland  
Hirsch-Weis Mfg. Co., 205 Burnside, Portland  
Jantzen Knitting Mills, Sandy & E. 20th, Portland  
Johnson, & Drynan, 201 Artisans' Bldg., Portland  
Kailes & Sons, Phoenix Bldg., Portland  
L. C. Cloak & Suit Mfg. Co., 304 Phoenix Bldg., Portland  
Lurie Mfg. Co., 73½ 6th, Portland  
McCreery Mfg. Co., The, Royal Annex, Portland  
Menzin & Fulop, 4th and Couch, Portland  
National Mfg. Co., 392 Morrison, Portland  
Rinehart Apron Co., S. E., 674 Alberta, Portland  
Sigel Mfg. Co., 382 Washington, Portland  
Utility Garment Co., Inc., 124 4th Portland  
Waterproof Garment Co., 82½ 5th, N., Portland  
Young's Gown Shop, 130 10th, Portland

## GARMENTS, FUR

Hudson Bay Fur Co., 374 Morrison, Portland  
Liebes & Co., H., 149 Broadway, Portland  
Schumacher Fur Co., 234 3rd, Portland

## GLOVES AND MITTENS

Beaver Glove Mfg. Co., 31 N. 5th, Portland  
Gleason Glove Co., Salem

## JUTE MILLS

Western Waste Co., 1540 Macadam, Portland

## KNITTING

Columbia Knitting Mills, Inc., 212½ 1st, Portland  
Jantzen Knitting Mills, Sandy and E. 20th, Portland

## TEXTILES, CLOTHING AND FURNISHINGS—Continued

## MATTRESSES

Allen-Wilden Bedding Co., 374 E. Washington, Portland  
 American Bedding Co., 549 Vancouver, Portland  
 Capital City Bedding Co., Salem  
 Carmen Mfg. Co., 1214 Macadam, Portland  
 Coos Bay Mattress Co., Marshfield  
 Crystal Mattress Works, 1661 E. 17th, Portland  
 Ellman Hygienic Mattress & Furniture Co., 384 Russell, Portland  
 King Fisher Mattress Co., 478 Albina Ave., Portland  
 Pettit Feather & Bedding Co., 177 York, Portland  
 Pioneer Mattress Co., 1072 Lincoln, Portland  
 Portland Furniture Mfg. Co., 1249 Macadam Rd., Portland  
 Reid & Ida Mfg Co., 4406 Woodstock, Portland  
 United Manufacturing Co., 25th and Holladay, Portland

## NECKWEAR MEN'S

Adrian Neckwear Co., Worcester Bldg., Portland

## OVERALLS

Fleischner, Mayer & Co., 2nd & Couch, Portland  
 McIntyre & Silven, Baker  
 Standard Factory No. 2, E. Taylor & Grand Ave., Portland

## RUGS

Northwest Rug Works, 188 E. 8th, Portland  
 Oregon Fluff Rug Co., 1984 E. Stark, Portland  
 Portland Rug Co., 1674 E 17th, Portland  
 Western Fluff Rug Co., 54 Union Ave. N., Portland

## SHIRTS, MEN'S

Fleischner, Mayer & Co., 2nd & Couch, Portland  
 Hirsch-Weiss Mfg. Co., 205 Burnside, Portland  
 Jacobs Shirt Co., Raleigh Bldg., Portland  
 Maxam Shirt & Garment Co., 420 Washington, Portland

## WOOD AND WOOD PRODUCTS

## APPLE GRADERS

Cutler Mfg. Co., 351 E. 10th, Portland

## BARRELS AND CASKS

California Barrel Co., Milwaukie  
 Finke Bros., 254 Front, Portland  
 Layton Cooperage Co., 307 Water, Portland  
 National Tank & Pipe Co., 275 Oak, Portland  
 Oregon Cooperage Co., Box 156, Portland  
 Pacific Cooperage Co., 20th & York, Portland  
 Western Cooperage Co., 1233 Northwestern Bank Bldg., Portland

Oregon City Mfg. Co., 244 Russell, Portland  
 Pendleton Woolen Mills, Pendleton  
 Standard Factory No. 2, E. Taylor & Grand Ave., Portland  
 Underhill Shirt Co., Central Bldg., Portland  
 Waterproof Garment Co., 82½ 5th, North Portland

## WASTE

Western Waste Co., 1540 Macadam, Portland

## WATERPROOF CLOTHING

Hirsch-Weiss Mfg. Co., 204 Burnside, Portland  
 Neustadter Bros. (Standard Factory No. 2), 301 Ankeny, Portland  
 Pacific Tent & Awning, 1 N. 1st, Portland  
 Prufco Garment Co., 663 Hood, Portland  
 Titus Garment Co., 82½ 5th, Portland  
 Waterproof Garment Co., 82½ 5th N., Portland

## WINDOW SHADES

City Awning & Shade Co., 353 Burnside, Portland  
 Columbia Mills Inc., The, Royal Bldg., Portland  
 Peake, the Shade Man, 127 12th, Portland  
 Rader Window Shade Co., 387 Yamhill, Portland

## WOOLEN GOODS

Brownsville Woolen Mills, 3rd & Morrison, Portland  
 Columbia Knitting Mills, Inc., 212½ 1st, Portland  
 Eugene Woolen Mills Co., Eugene  
 Jantzen Knitting Mills, E. 20th and Sandy, Portland  
 Kay Woolen Mill Co., Thos., Salem  
 Oregon City Mfg. Co., Oregon City  
 Pendleton Woolen Mills, Pendleton  
 Portland Woolen Mills, Ft of W. Baltimore, Portland  
 Santiam Woolen Mills, Stayton

## YARNS

Oregon Worsted Co., Umatilla Ave. & 27th, Portland

## BASKETS

Champion Mfg. Co., E 27th & Morgan, Portland  
 Multnomah Lumber & Box Co., ft. of Bancroft Ave., Portland  
 Portland Basket & Handle Co., 1321 Macadam, Portland  
 Willowcraft Furniture Co., Orenco

## BEE HIVES

Lumber Products Co., 1454 Macadam, Portland

## BOATS AND WOOD SHIPS

Kruse & Banks Shipbuilding Co., North Bend  
 Leach & Ingson, Reedsport

## WOOD AND WOOD PRODUCTS—Continued

Matthews, G. F., Ft. of McKenna Ave.,  
Portland  
Pioneer Boat Yard, Marshfield  
Portland Shipbuilding Co., ft of Ne-  
braska, Portland  
St. Helens Shipbuilding Co. St. Helens  
Umpqua Boat & Cabinet Shop,  
Reedsport  
Von der Werth, W. H. & E., East End  
of Morrison St. Bridge, Portland  
Wilson Shipbuilding Co., Astoria

## BOX FACTORY SPECIALTIES

Economy Wire Tie & Mfg. Co., 55 1st  
Portland  
Irvington Machine Works, 375 E. 6th,  
Portland

## BOXES AND BOX SHOOKS

Acme Planing Mill, Bandon  
American Box & Crate Mfg. Co., 1050  
Nicolai, Portland  
Adams Bros. Lumber Co., Elgin  
Albany Box Factory, Albany  
Algoma Lumber Co., Algoma  
Ashland Lumber Co., Ashland  
Astoria Box Co., Astoria  
Baker White Pine Lumber Co., Baker  
Barham Bros., Siskiyou  
Big Basin Lumber Co., Klamath Falls  
Big Lakes Box Co., Klamath Falls  
Borkgren's Mill, Cove  
Bridal Veil Lumber Co., Bridal Veil  
Brooks-Scanlon Lumber Co., Bend  
Buck, W. R., Reedsport  
Buck Box & Crate Co., Eugene  
Cabinet & Box Factory, Albany  
Canyonville Box Factory, Canyonville  
Casey Lumber Co., The, Meacham  
Coos Veneer & Box Co., Marshfield  
Corvallis Lumber Mfg. Co., Corvallis  
Dayton Box & Lumber Co., Dayton  
East Side Box Co., Ft of Spokane Ave.,  
Portland  
Eccles Lumber Co., Baker  
Ewauna Box Co., Klamath Falls  
Falls City Box & Mfg. Co., Falls City  
Foley Box Co., Garibaldi  
Freewater Box Co., Milton  
Fry, Thos., Sheridan  
Gagnon Lumber & Box Co., Medford  
Gibbs, Orin O., Ukiah  
Grande Ronde Lumber Co., Perry  
Growers Packing & Warehouse Co.,  
Klamath Falls  
Hood River Box Co., Hood River  
Imbler Box & Lumber Co., Imbler  
Jacobs & Hess Lumber Co., Union  
Klamath Lumber & Box Co., Klamath  
Falls  
Manchester Box & Lumber Co., The  
Dalles  
Mansfield Box Co., Roseburg  
McDowell Bros., Richland  
Milton Box Co., Milton  
Mt. Hood Lumber Co., Parkdale  
Multnomah Lumber & Box Co., ft. of  
Bancroft Ave., Portland  
Nibley-Mimnaugh Lumber Co., Wal-  
lowa  
North Portland Box Co., North Port-  
land  
Northwest Box Co., Park Rose, R.  
F. D. A., Portland  
Oerding Mfg. Co., Coquille  
Oregon Box & Mfg. Co., 1144 Mac-  
adam, Portland

Oregon Lumber Co., 1012 Yeon Bldg.,  
Portland (Plants at Baker and Dee)  
Palmer Lumber Co., The Geo., La  
Grande  
Perry Veneer Co., Bandon  
Pine Box Co., Grants Pass  
Portland Mfg. Co., Ft W. Richmond,  
Portland  
Prairie Box Co., Prairie  
Prouty Lumber & Box Co., Seaside  
Salem Cabinet Works, Salem  
Shevlin-Hixon Co., Bend  
Shirla, A. E., Sutherlin  
Spaulding Logging Co., Chas. K.,  
Salem  
Star Box Mfg. Co., 1494 Macadam,  
Portland  
Stoddard Lumber Co., Baker  
Stolzler, C. A., Myrtle Creek  
Tillamook Box Co., Bay City  
Tomlin Box Co., Medford  
Union Box Co., La Grande  
West Coast Box & Lumber Co., North  
Portland  
White Pine Box & Lumber, La Grande  
Willamette Box & Lumber Co., Linn-  
ton Station, Portland  
Willamette Valley Lumber Co., Dal-  
las  
Wisner Box Co., R. A., Tillamook

## BOXES, CIGAR

Portland Cigar Box Mfg. Co., 668  
Hood, Portland

## CABINETS AND FIXTURES

Albany Box Factory, Albany  
Andrews & Drojan, 244 E. 7th, Port-  
land  
Buckner, W. L., 404 Davis, Portland  
Carrell & Mayran, Hermiston  
Columbia Furniture & Fixture Co.,  
331 Belmont, Portland  
Dittmer, Henry, 269 E. 6th, Portland  
Enterprise Planing Mill Co., 300 E.  
Yamhill, Portland  
Far West Mfg. Co., Albany  
Fenner Mfg. Co., Ft of McKenna,  
Portland  
Gehrke, E. B., Marshfield  
Gurien, D., 646 2nd, Portland  
Hawthorne Bracket Co., 1065 E. Madi-  
son, Portland  
Higgins Mfg. Co., 1912 E. Glisan,  
Portland  
Johnson, Frank, 180 Union Ave., Port-  
land  
Kautz Mfg. Co., 26th & Nicolai, Port-  
land  
Lutke Mfg. Co., 6th & Hoyt, Portland  
Marshall Mfg. Co., James I., 452 Hoyt,  
Portland  
Nelson's Ladder Works, 267 2nd,  
Portland  
Salem Cabinet Works, Salem  
Schmidt & Co., Frank, 181 E. 8th,  
Portland  
Smith, S. C., 4632 67th S. E., Port-  
land  
Trowbridge Cabinet Works, Medford  
Umpqua Boat & Cabinet Shop, Reeds-  
port  
Universal Woodworking Co., 100 N.  
3rd, Portland  
Western Fixture & Show Case Co.,  
16th & Jefferson, Portland

## WOOD AND WOOD PRODUCTS—Continued

Wilkinson Lumber Co., 1793 Derby  
Portland  
Williams Ave. Planing Mill, 831 Wil-  
liams, Portland

## CASKETS

Great Northern Casket Co., Macadam  
& Gains, Portland  
Holman Co., Edw., 3rd and Salmon,  
Portland  
Oregon Casket Co., 101 N. 5th, Port-  
land

## CRATES

Advance Mfg. Co., St. Johns Station,  
Portland  
American Box & Crate Mfg. Co., 1050  
Nicolai, Portland

## CROSS ARMS

Barnes-Lindsey Mfg. Co., Box 274,  
E. St. Johns Station, Portland  
East Side Mill & Lumber Co., Ft  
Spokane, Portland  
National Tank & Pipe Co., 275 E. Oak,  
Portland

## EXCELSIOR

Eugene Excelsior Co., Eugene  
Excelsior Mfg. Co., Marshfield  
Portland Mfg. Co., Ft. of Richmond,  
Portland

## FURNITURE

Albany Furniture Mfg. Co., Albany  
Beaver State Furniture Co., 1004 E.  
Broadway, Portland  
Bilt Well Co., 500 E Lincoln, Port-  
land  
Carman Mfg. Co., 1214 Macadam,  
Portland  
Central Furniture Co., 382 E. Yam-  
hill, Portland  
Columbia City Furniture Factory,  
Columbia City  
Columbia Furniture & Fixture Co.,  
331 Belmont, Portland  
De Luxe Furniture Co., 163 Grand  
Ave., Portland  
Doernbecker Mfg. Co., E. 28th & O.  
W. R. & N. Tracks, Portland  
Frazer Mfg. Co., 133 Water, Portland  
Freeland Furniture Co., 970 Macadam,  
Portland  
Furniture Mfg. Co., 414 Schuyler,  
Portland  
J. K. Manufacturing Co., 311 N. 16th,  
Portland  
Knauer, W. B., Bradford and Erie,  
Portland  
Kollock Mfg. Co., 652 2nd, Portland  
Michaelson-Mayson, Inc., 5433 Foster  
Rd., Portland  
Multnomah Furniture Co., 808 Union  
Ave. N., Portland  
Nitschke-Andraes Co., 309 E. 11th,  
Portland  
Northwest School Furniture Co., 244  
3rd, Portland  
Olson & Jordan, 459 Washington,  
Portland  
Oregon Chair Co., 1190 Macadam Rd.,  
Portland  
Portland Furniture Mfg. Co., 1249  
Macadam Road, Portland  
Reed Specialty Shop, 319 Williams  
Ave., Portland  
Smith-Bowlby Furniture Works, Al-  
bany

Universal Bed Co., Vancouver & Tilla-  
mook, Portland  
U. S. Willow Furniture Co., 230 Rus-  
sell, Portland  
Utility Wood Products Co., 501 Spald-  
ing Bldg., Portland  
Veal & Son, R., Albany  
Wahkeena Furniture Mfg. Co., 441 E.  
Lombard, Portland  
West Coast Specialty Co., 395 N. 18th,  
Portland  
West Made Desk Co., Lewis and Lor-  
ing, Portland  
Willowcraft Furniture Co., Orenco

## HANDLES

Eugene Handle Co., Eugene  
Humbert Mfg. Co., Mt. Angel  
Illlhee Mill & Mfg Co., Oakland  
Mangold & Strauss, 165 Union Ave.  
N., Portland  
Oregon Handle Mfg. Co., Newberg  
Oregon Wood Products Co., Salem  
Oregon Woodturning Co., Gresham  
Portland Basket & Handle Co., 1321  
Macadam, Portland  
Reed & Lindsay, 31st and Sandy  
Blvd., Portland  
Valley Mfg. Co., Woodburn  
Western Oregon Handle Co., 933 San-  
dy Blvd., Portland  
Willamina Handle Factory, Willa-  
mina  
Zan Bros., 52 Front, Portland

## LADDERS

Far West Mfg. Co., Albany  
Hardie Mfg. Co., 55 N. Front, Port-  
land  
Lumber Products Co., 1454 Macadam,  
Portland  
Mitchell Ladder Co., Medford  
Nelson Ladder Works, 267 2nd, Port-  
land  
Northwest Fence & Wire Works, N.  
10th & Flanders, Portland  
Pacific Ladder Works, 52 Union, Port-  
land

## LATH

Albina Mfg. Co., Kenton Sta., Port-  
land  
Astoria Box Co., Astoria  
Baker White Pine Lumber Co., Baker  
Brighton Mills Co., Brighton  
Buck, W. R., Reedsport  
Coos Bay Lumber Co., Marshfield  
Hammond Lumber Co., Portland  
Johnson Lumber Co., Coquille  
Siletz Bay Lumber Co., Kernville  
Western Lath & Lumber Co., 287 E.  
Morrison, Portland  
Westport Lumber Co., Westport  
Yellow Fir Lumber Co., Tillamook

## MYRTLE WOOD NOVELTIES

Pomeroy & Duncan, Marshfield

## PATTERNS

B. J. & S. Pattern Shop, 382 E. Wash-  
ington, Portland  
Bend Iron Works, Bend  
Coast Engine & Machine Works, ft.  
of E. Taylor, Portland  
Pacific Pattern Works, 304 E. Mor-  
rison, Portland  
Peninsula Pattern Works, Alta and  
Crawford, Portland

## WOOD AND WOOD PRODUCTS—Continued

Portland Pattern Works, 174 E. Water, Portland  
West Side Pattern Works, ft. of Stark, Portland  
Willamette Pattern Works, 240 E. 7th, Portland

## PICTURE FRAMES

Keeler, the Art Man, 450 Washington, Portland  
Western Picture Frame Co., 170 1st, Portland

## PIPES, WOOD

Continental Pipe Mfg. Co., Kenton Station, Portland

## PLANING MILLS

Abdell & Son, D. B., Dayton  
Acme Planing Mill, Bandon  
Adams Bros., Lumber Co., Elgin  
Aladdin Co., North Portland  
Albany Lumber Co., Albany  
Albany Planing Mill, Albany  
Alco Wood Products Co., Albany  
Ashland Lumber Co., Ashland  
Astoria Box Co., Astoria  
Astoria Lumber Co., Astoria  
Baker White Pine Lumber Co., Baker  
Baldwin & Son, Camas Valley  
Beaver Linnton Mill, Linnton Sta.  
Beaver Lumber Co., Prescott  
Beaverton Planing Mill, Beaverton  
Belt, Person & Belt, R. 4, McMinnville  
Bennett, M. F., Baker  
Big Basin Lumber Co., Klamath Falls  
Big River Lumber Co., R. 1, Eagle Creek  
Bigelow & Gillette Lumber Co., Nash-ville  
Bolter & Lewis, Holbrook  
Bond & Bates, Myrtle Creek  
Booth-Kelly Lumber Co., Eugene  
(Plants at Wendling and Spring-field)  
Borkgren's Mill, Cove  
Borland Lumber Co., Grants Pass  
Bridal Veil Lumber Co., Bridal Veil  
Brighton Mills Co., Brighton  
Brooks-Scanlon Lumber Co., Bend  
Brock Bros., Clatskanie  
Brownlee Lumber Co., Medford  
Broughton & Wiggins Co., Yeon Bldg.,  
Buehner Lumber Co., North Bend  
Burlington Mill Co., Linnton Station, Portland  
Burroughs Co., B. L. Pendleton  
Cameron-Hogg Lumber Co., Bull Run  
Carlton Consolidated Lumber Co., Carlton  
Carman Mfg. Co., 1214 Macadam, Portland  
Casey Lumber Co., Meacham  
Central Door & Lumber Co., 24th and Holgate, Portland  
Central Planing Mill, Corvallis  
Clark & Wilson Lumber Co., Linnton Station, Portland  
C. & O. Lumber Co., Brookings  
Cloverdale Lumber Co., Cloverdale  
Coast Range Lumber Co., Mabel  
Coates Lumber Co., A. F. Tillamook  
Cobbs & Mitchell Co., Falls City  
Columbia County Lumber Co., St. Helens  
Coos Bay Lumber Co., Marshfield  
Corvallis Lumber Mfg. Co., Corvallis

Cottage Grove Mfg. Co., Cottage Grove

Coy Bros., Planing Mill, Dallas  
Crandall Bros., Lebanon  
Crossett Western Lumber Co., Wauna  
Dallas Planing Mill, Dallas  
Dawson Bros. Planing Mill, Joseph  
Dayton Box & Lumber Co., Dayton  
Deer Creek Lumber Co., Minam  
Dixie Lumber Co., Prairie  
Eagle Lumber Co., West Timber  
East Side Mill & Lumber Co., ft. of Spokane Ave., Portland  
East Oregon Lumber Co., Enterprise  
Eastern & Western Lumber Co., Front & Colton, Portland  
Eccles Lumber Co., W. H., Baker  
Elk City Lumber Co., Drain  
Eighth Street Planing Mill, Eugene  
Emerson Hardwood Co., N. Front & 20th, Portland  
Enterprise Planing Mill Co., 300 E. Yamhill, Portland  
Eugene Planing Mill Co., Eugene  
Everett Lumber Co., Willamina  
Everett, F., Willamina  
Ewing Bros., Planer, New Bridge  
Fischer Bros. Lumber Co., Marcola  
Forest Grove Mill & Logging Co., Forest Grove  
Foster Lumber Co., Kings Valley  
Foster's Sawmill, Cloverdale  
Gebhardt-Klees Lumber Co., Grande Ronde  
Gibbs Sawmill, E. E., Ukiah  
Gimre Planing Mill, Astoria  
Glendale Lumber Co., Glendale  
Grande Ronde Lumber Co., Ferry  
Grants Pass Lumber Co., Wolf Creek  
Griswold Grier Lumber Co., Falls City  
Gurdane Pine Milling Co., Gurdane  
Haines Lumber Co., Haines  
Hall Lumber Co., Tualatin  
Hammond Lumber Co., Gasco Bldg., Portland (Plants at Astoria and Mill City)  
Hansen Planing Mill, Vale  
Hansen Planing Mill, A. M., Salem  
Hartwig, E. J., Lakeview  
Heacock, W. M., 61st and Division, Portland  
Heppner Planing Mill, Heppner  
Hickman, C. L., Willamina  
Hillsboro Sash, Door & Planing Mill, Hillsboro  
Hubbs Planing Mill, Silverton  
Hult Lumber Co., Mulin  
Iman-Paulsen Lumber Co., ft. of E. Caruthers, Portland  
Jacobs, Julius T., Astoria  
Jacobs & Hess Lumber Co., Union, (Plant also at North Powder)  
Jantzer & Sons, Azalea  
Jenks, L. R., Azalea  
Johnson, E. E., Coquille  
Jones Lumber Co., 1280 Macadam, Portland  
Kautz Mfg. Co., 26th & Nicolai, Portland  
Keating Milling Co., Keating  
Keith Lumber Co., Umpqua  
Key Lumber Co., Wallowa & Molalla  
Kilbey Planing Mill, Lakeview  
Leona Mills Lumber Co., Leona  
Lewis & Peters Lumber Co., Veneta  
Linn & Sons, Wapinitia

## WOOD AND WOOD PRODUCTS—Continued

- Lowman, Wilson, Apiary  
Lumber Products Co., 1454 Macadam,  
Portland  
Lystul & Lawson Lumber Co., Glen-  
dale  
M. & M. Woodworking Co., 800 Mult-  
nomah, Portland  
Macleay Estate, Wedderburn  
Manchester Box & Lumber Co., The  
Dalles  
McBee & Spandenbure, Trent  
McDowell Bros., Richland  
McFarlane Bros., Manning  
Medford Planing Mill, Medford  
Meinel, Alfred, Mountindale  
Menefee Lumber Co., L. E. Rainier  
Midgley Planing Mill Co., Eugene  
Mohawk Lumber Co., Mohawk  
Moore, J. M., Stayton  
Moore Mill & Lumber Co., Bandon  
Mt. Rest Sawmill, John Day  
Murphy, Pat, R. 3, Banks  
Nibley-Mimnaugh Lumber Co., Wal-  
lowa  
Nicolai-Neppach Co., 227 Davis, Port-  
land  
North Bend Mill & Lumber Co., North  
Bend  
North Portland Box Co., North Port-  
land  
Northern Pacific Lumber Co., Ft of  
Sherlock Ave., Portland  
Oak Creek Lumber Co., Corvallis  
Oregon Door Co., Ft of Spokane Ave.,  
Portland  
Oregon Lumber Co., 1012 Yeon Bldg.,  
Portland (Plants at Baker and Dee)  
Oregon Planing Mill, 224 2d, Portland  
Orient Lumber Co., Gresham, R. A  
Pacific Planing Mill Co., 602 Brook-  
lyn, Portland  
Palmer Lumber Co., Geo., La Grande  
Pedee Sawmill, Pedee  
Peninsula Lumber Co., ft. of McKen-  
na, Portland  
Portland Lumber Co., ft. of Lincoln,  
Portland  
Port Orford White Cedar Co., Port  
Orford  
Pound, H. F., Canyon City  
Prosper Mill Co., Prosper  
Prouty Lumber & Box Co., Seaside  
Redmond Pine Mill Planing Co., Red-  
mond  
Riddle Lumber Co., Riddle  
Rock Creek Lumber Co., Molalla  
Rowland, E. C., Silverton  
Scappoose Planing Mill, Scappoose  
Schalabach, C. J., Hubbard  
Schlachter, L. M., Elam  
Schmidt Co., Frank, 181 E. 8th, Port-  
land  
Scio Logging & Lumber Co., Scio  
Shevlin-Hixon Co., Bend  
Shirla, A. E., Sutherlin  
Siletz Spruce Co., Philomath  
Silver Falls Timber Co., Silverton  
Silverton Lumber Co., Silverton  
Slyter, O., Molalla, R. 2  
Smith, S. C., 4632 67th, S. E., Portland  
Sams Valley Box & Lumber, Gold  
Hill  
Southern Oregon Lumber Co., Med-  
ford  
South Santiam, Lebanon  
Southwell, W. J., Siletz
- Spaulding Logging Co., Chas. K.,  
Oregonian Bldg., Portland, (Plants  
at Salem, McMinnville and New-  
berg)  
St. Helens Lumber Co., St. Helens  
St. Johns Lumber Co., St. Johns Sta.,  
Portland  
St. Johns Planing Mill Co., St. Johns  
Station, Portland  
Standard Box & Lumber Co., Buxton  
Stefani, A., Canby, (Plant also at  
Molalla)  
Stevens & Farris Lumber Co., Walton  
Stoddard Lumber Co., Baker  
Sugar & White Pine Co., Grants Pass  
Thompson & Son, Astoria  
Toledo Planing Mill, Toledo  
Trowbridge Cabinet Works, Medford  
Tucker, R. L., Hillsboro  
Tum-a-Lum Lumber Co., Prineville  
Twin Lumber Co., Vernonia  
Underhill's Sawmill, E. G., Dufur  
Underwood Lumber Co., Lakeview  
Van Harder, J. B., Stayton, R. 1  
W. C. Planing Mill Co., The, Forest  
Grove  
Welsh, Francis, Oregon City  
West Oregon Lumber Co., Linnton  
Station, Portland  
West Side Lumber Co., West Salem,  
Route 1.  
Western Lumber & Export Co., Cot-  
tage Grove  
Westport Lumber Co., Westport  
Wheeler Lumber Co., Wheeler  
White Pine Box & Lumber Co., La  
Grande  
Whitney Lumber Co., Garibaldi  
Wise Bros., Blodgett  
Wikstrom Lumber Co., I. D., Scap-  
poose  
Willamette River Lumber Co., Ore-  
gon City  
Willamette Valley Lumber Co., Dallas  
Williams Ave. Planing Mill, 831 Wil-  
liams Ave., Portland  
Wilson Lumber Co., Enterprise  
Wind River Lumber Co., Cascade  
Locks  
Wise & Mulvaney, Lookingglass  
Woodcock Bros., Kerby  
Union Box Co., La Grande  
Yamhill Planing Mill, Yamhill  
Yocum Lumber Co., Estacada, R. 1

## PORTABLE BUILDINGS

- Aladdin & Co., North Portland  
Fenner Mfg. Co., ft. of McKenna,  
Portland  
Gunther-King Co., 146 Page, Portland  
Loud Manufacturing Corp., Spring-  
field  
Mill Made Construction Co., Williams  
& Faragut, Portland  
Reddi-Made Building Co., 315 E. 11th,  
Portland

## SASH AND DOORS

- Albany Planing Mill, Albany  
Central Door & Lumber Co., 24th and  
Holgate, Portland  
Dysinger, W. L., Roseburg  
Enterprise Planing Mill Co., 300 E.  
Yamhill, Portland  
Heacock Sash & Door Co., 214 1st  
Portland  
Heyd & Co., Frank, Tillamook

## WOOD AND WOOD PRODUCTS—Continued

- Hillsboro Sash, Door & Planing Mill, Hillsboro  
 Kautz Mfg. Co., 26th and Nicolai, Portland  
 Lakeside Lumber Co., Klamath Falls  
 M. & M. Woodworking Co., 800 Multnomah, Portland  
 Medford Planing Mill, Medford  
 Nicolai Door Mfg. Co., Kenton Sta., Portland  
 Nicolai-Neppach Co., 227 Davis, Portland  
 Northwest Planing Mill, 554 E. 10th, Portland  
 Oregon Door Co., ft. of Spokane Ave., Portland  
 Oregon Planing Mill, 224 2d, Portland  
 Reedsport Sash & Door Co., Reedsport  
 Schmidt Co., Frank, 181 E. 8th, Portland  
 Shevlin-Hixon Co., Bend  
 Spaulding Logging Co., Chas. L., Oregonian Bldg., Portland (Plants at Salem and McMinnville)  
 St. Johns Planing Mill, St. Johns Station, Portland  
 Stoddard Lumber Co., Baker  
 Thomason & Son, 718 7th, Astoria  
 Three C. Lumber Co., Grants Pass  
 Tucker, R. L., Hillsboro
- SAW MILLS**
- Aagard Lumber Co., Glenwood  
 Aason, John, Coquille  
 Abdell & Son, D. B., Dayton  
 Ackley Bros., Klamath Falls  
 Adams Bros., Elgin  
 Addison Bros., Lorane  
 Agren & Lickentritt, Olney  
 Ajax Lumber Co., Walker  
 Albany Lumber Co., Albany  
 Albertson Mill, Albert J., Bandon  
 Aldropp Bros., Eugene, R. B  
 Algoma Lumber Co., Algoma  
 Allen Bros., Airlie  
 Alley Lumber Co., Bay City  
 Alsea Lumber Co., Alsea  
 Alsea River Lumber Co., Alpine  
 Alsleben, Adolph, Timber  
 Altree, O. R., Toledo  
 Ames Bros. Sawmill, Myrtle Point  
 Anderson Sawmill, Willamina  
 Anderson, Glen G., Springfield  
 Arvidson, T. P., Hereford  
 Ashbaugh's Mill, Fred, Hardman  
 Aspinwall, Ray, Brooks  
 Astoria Box Co., Astoria  
 Astoria Lumber Co., Astoria  
 Baird Bros. Lumber Co., Umpqua  
 Baker White Pine Lumber Co., Baker  
 Baldwin & Son, Camas Valley  
 Barham Bros., Siskiyou  
 Bates Sawmill, Prairie City  
 Bauman, Oscar, Junction City, R 1  
 Bauman & Owen, Junction City  
 Bay Park Lumber Co., North Bend  
 Bear Creek Sawmill, Prairie City  
 Bear Valley Sawmill, Mt. Vernon  
 Beaver Creek Lumber Co., Vernonia  
 Beaver Linnton Mill, Linnton Sta.  
 Beaver Lumber Co., Prescott  
 Beckham Mill, Arago  
 Beer, Sam, Manning  
 Beers, Frank, Eagle Creek  
 Begman's Sawmill, Medical Springs  
 Beidler's Mill, Lostine  
 Belding Lumber Co., Belding Via Cochran  
 Bell Mill, John, Union  
 Belt, Person & Belt, McMinnville, Route 1  
 Benefiel Lumber Co., C. S., Paisley  
 Bennett Sawmill, M. F., Baker  
 Bennett, Edwards & Kocher, Warrendale  
 Best, J. W., Corvallis  
 Big Lakes Lumber Co., Klamath Falls  
 Big River Lumber Co., Eagle Creek, Route 1  
 Bigelow & Gillette Lumber Co., Nashville  
 Bilyeu & Wallace, Lebanon  
 Binder, Chas., Elkton  
 Birchfield M. W., McMinnville  
 Birkenfeld Lumber Co., Birkenfeld  
 Blackwell Lumber Co., Grizzly  
 Blakey & Water, Silverton  
 Blodgett Lumber Co., Summit  
 Bluhm & Moehnke, Hoff  
 Bohemia Lumber Co., Dorena  
 Bolter & Lewis, Holbrook  
 Bond & Bates, Myrtle Creek  
 Bonney, W. H., Oregon City  
 Booth-Kelly Lumber Co., Eugene (Plants at Wendling and Springfield)  
 Borland Lumber Co., Grants Pass  
 Boughey Lumber Co., Wren  
 Brand, John J., Clatskanie, R. 1  
 Braun Bros., Vernonia  
 Bredemeier, Ed., Gaston, R. 1  
 Brewer, John H., Silverton, R. 3  
 Bridal Veil Lumber Co., Bridal Veil  
 Briggs Lumber Co., Walker  
 Brighton Mills Co., Brighton  
 Brock Bros., Clatskanie  
 Brock & Co., Waterloo, R. 1  
 Bronson, Geo. H., Monmouth, R. 1  
 Brooks-Scanlon Lumber Co., Bend  
 Brown, S. A. & F. G., Crystal  
 Brown, A. D., Falls City  
 Brown-Petzel Lumber Co., Stayton  
 Brownlee Lumber Co., Medford  
 Brun's Lumber Co., Sandy  
 Bryant Mountain Sawmill, Malin  
 Buchanan Lumber Co., Halfway  
 Buehner Lumber Co., North Bend  
 Buell Mill Co., Falls City  
 Burlington Mill Co., Linnton Station, Portland  
 Burmaster Lumber Co., Scio, R. 1  
 Burnette Mill & Timber Co., Landax  
 Butte Creek Lumber Co., Scotts Mills  
 Butte Falls Lumber Co., Butte Falls  
 C. & O. Sawmill, Brookings  
 Cadwalder & Bros., S. W., Blodgett  
 Callahan & Son, J. C., Gaston  
 Camas Lumber Co., Lakeview, (Plant also at Lowell)  
 Cameron-Hogg Lumber Co., Bull Run  
 Cameron Lumber Co., Albany  
 Camp Creek Sawmill, Ironsides  
 Canaday, W. R., Crow  
 Canyon Lumber Co., La Grande, R. 2  
 Cariness & Son, A. A., Yamhill, R. 1  
 Carman Mfg. Co., 1214 Macadam, Portland  
 Carpenter & Moyer, Saginaw  
 Carson, J. C., Yachats  
 Casey Lumber Co., Meacham  
 Cedar Creek Lumber Co., Linnton Station, Portland  
 Chamberlain, M. A., Junction City

## WOOD AND WOOD PRODUCTS—Continued

- Chambers, J. H., Cottage Grove  
 Chapman, F. M., Divide  
 Chapman Mill, Fossil  
 Chiloquin Lumber Co., Chiloquin  
 Christensen & Bridges, Sitkum  
 Clark Lumber Co., Millwood  
 Clark & Wilson Lumber Co., Linnton  
 Station, Portland  
 Climax Lumber & Mfg. Co., Blodgett  
 Cloverdale Lumber Co., Cloverdale  
 Coast Range Lumber Co., Mabel  
 Coates Lumber Co., A. F., Tillamook  
 Cobbs & Mitchell Co., Falls City  
 Cogan & Son, S. R., Cornelius  
 Cole, James, Devitt  
 Cole, N. E., Aurora  
 Cole Lumber Co., Molalla  
 Collard, W. P., Gervais  
 Collins, C. I., Bartle Court, Eugene  
 Columbia County Lumber Co., St.  
 Helens  
 Columbia Lumber Co., The Dalles  
 Comstock Lumber Co., Comstock  
 Cone Lumber Co., Fossil  
 Conners, J. H., Grants Pass  
 Consolidated Lumber Co., Gales Creek  
 Cook, Almon, Sutherlin  
 Cook & Son, I. N., Hoff, R. 1  
 Coolidge & McClaine, Silverton  
 Coon Creek Sawmill, Grizzly  
 Coos Bay Lumber Co., Marshfield  
 Coquille Lumber Co., Coquille  
 Corner & Gilman, Grants Pass  
 Corvallis Lumber Mfg. Co., Corvallis  
 Cotes Sawmill, P. Joseph  
 Cogle, R. N., Williams  
 Critchlow's Sawmill, Durkee  
 Crossett Western Lumber Co., Wauna  
 Crowe, E. R., Lorane  
 Culver, James, Bridge  
 Cummings Sawmill, Mt. Vernon  
 Cummins, J. B., Gaston  
 Daugherty Lumber Co., Curtin  
 Davenport & Sons, Spray  
 Davidson, J. L., Junction City, R. 1  
 Davis Mill, Union  
 Davis & Webber, Airlie  
 Davis & Wolf, Beaverton  
 Dawson Bros., Joseph  
 Debrick & Vann, Willamina  
 Deer Creek Lumber Co., Minam  
 Del Norte Mining Co., Takilmo  
 DeMaris & McKenzie Lumber Co.,  
 Prineville  
 Demas Sawmill, Christ, Willamina  
 Demick & Mather, Sixes  
 Denmark Sawmill, Denmark  
 Deschutes Lumber Co., Bend  
 Dewitt & Alfred, Mt. Hood  
 DeWolf, L. G., Canyon City  
 Dimick & Falk, Sixes  
 Dix Lumber Co., Molalla, R. 2  
 Dix & Aylesworth, Oregon City  
 Dixie Lumber Co., Prairie  
 Dober Bros., Banks  
 Doernbecher Mfg. Co., E. 28th, Port-  
 land (Mill at Coalco)  
 Doherty Mill, Pat, Gurdane  
 Doran's Sawmill, Flora  
 Dorn Lumber Co., Banks  
 Doud & Hescoc, Promise  
 Douty Lumber Co., Douty  
 Doyle, C. R., Dufur, R. 1, Box 12  
 Drewett's Sawmill, Drewsey  
 Dry Creek Lumber Co., Summerville  
 Duckett Lumber Co., J. T., Sisters  
 Dufur Lumber Co., Dufur  
 Dundee, Fred, Gaston  
 Dunn, M. E., Mulino  
 Dupray Lumber Co., Butte Falls  
 Dutton Lumber Co., H. P., Glendale  
 Eagle Lumber Co., West Timber  
 Earnest, W. E., Waldport  
 East Oregon Lumber Co., Enterprise  
 East Pine Lumber Co., Halfway  
 East Sawmill, Tualatin  
 East Side Box Co., ft. of Spokane  
 Ave., Portland  
 East Side Mill & Lumber Co., ft. of  
 Spokane Ave., Portland  
 Eastern & Western Lumber Co., N.  
 Front & Colton, Portland  
 Eccles Lumber Co., W. H., Baker  
 Edson Mill, Sparta  
 Eldsmoe, A. R., Yamhill  
 Elam Lumber Co., Elam  
 Elk City Lumber Co., Banks & Drain  
 Emerson Hardwood Co., N. Front &  
 20th, Portland  
 Endrup Mill, Halfway  
 Eugene Western Lumber Co., Veneta  
 Everett Lumber Co., Willamina  
 Ewauna Box Co., Klamath Falls  
 Ewing Bros. Sawmill, New Bridge  
 Fern & Griswold, Dallas  
 Ferry Mill & Lumber Co., Linnton  
 Station, Portland  
 Fields, Robt. H., Brownsville  
 Fish & Doy, Gaston  
 Fisher Lumber Co., Marcola  
 Fisher Lumber Co., Carl E., Walton  
 Fisher's Sawmill, J. S., Hubbard  
 Five Point Lumber Co., Glendale  
 Flam Sawmill, Frank, Bridge  
 Forcia & Larsen, Noti  
 Forest Grove Mill & Logging Co.,  
 Forest Grove  
 Foster's Sawmill, Cloverdale  
 Fox, A. W., Noti  
 Fredrickson, Elmer E., Suver  
 Freeman & Rowan, Colton  
 Frohnhof & Dee, Grizzly  
 G. H. P. Lumber Co., Hillsboro  
 Gagnon Lumber & Box Co., Medford  
 Gebhardt-Klees Lumber Co., Grande  
 Ronde  
 Gates Mill Co., Gates  
 Gibbon's Sawmill, Suxent  
 Gibbs Sawmill, Ukiah  
 Gibson & Pennington, Walton  
 Giger Bros., Scotts Mills  
 Gilkison, J. R., Keating  
 Gleim & McGrew, Talent  
 Glendale Lumber Co., Glendale, (Plant  
 also at Fernvale)  
 Glen Oak Lumber Co., Oregon City  
 Goeldner & Clement, Arago  
 Gold Beach Lumber Co., Gold Beach  
 Gold Creek Lumber Co., Willamina  
 Gordan, H. L., Silverton  
 Gorsline & Sons, Kings Valley  
 Gragg Lumber Co., Monroe, R. 1  
 Grande Ronde Lumber Co., Perry  
 Grants Pass Lumber Co., Wolf Creek  
 Graves Bros., Hoff, R. 1  
 Greenman, A. C., Forest Grove  
 Griswold-Davis Lumber Co., Falls  
 City  
 Groner & Rowell Co., Hillsboro, R. 2  
 Guistina Bros., Vesper  
 Gurdane Pine Milling Co., Gurdane  
 Hadden Lumber Co., Manhattan  
 Beach  
 Hall, A. A., Eagle Point

## WOOD AND WOOD PRODUCTS—Continued

Hall Lumber Co., Tualatin  
 Hallock, F. S., Gaston  
 Hamilton Lumber Co., Dallas  
 Hammack's Sawmill, W. J., Enterprise  
 Hammond Lumber Co., Gasco Bldg., Portland (Plants at Astoria and Mill City)  
 Hansen, H. J., Forest Grove  
 Hansen Sawmill, H. N., Long Creek  
 Hargreaves Bros. & Morris, Eugene  
 Harney Sawmill, Harney  
 Harney Valley Lumber Co., Burns  
 Harper, Robert, Junction City  
 Harrisburg Lumber & Mfg. Co., Harrisburg  
 Hartwig, E. J., Lakeview  
 Haskell Carpenter Co., Cherry Grove  
 Hayes Ranch Sawmill, Salem  
 Heiney's Sawmill, Gresham, R. 3  
 Helpe & Buell, Molalla  
 Helser, W. W., Newberg  
 Heller, L. F. R., Gravel Ford  
 Hickey & Meshcher, Cottage Grove  
 Hickman, C. L., Willamina  
 Hill, Cart, McMinnville  
 Hill Bros., Dexter  
 Hills Creek Lumber Co., Jasper  
 Hackley Fred, Elmira  
 Holland & Clausner, Crow  
 Hopkins & Son, D. B., Eugene  
 Hornschuch, T. R., Hebo  
 Horton Lumber Co., E. J., Horton  
 Howard Lumber Co., Apiary  
 Hughes, F. L., Philomath  
 Hult Lumber Co., Mulino, (Plants at Mulino, Molalla and Colton)  
 Humphrey Bros., Jasper  
 Hunger Bros., Banks  
 Hunt, H. W., Banks  
 Huntley, J. W., Donald  
 Ingram & James, Lebanon, R. 4  
 Ingram & Loftin, Lebanon and Union  
 Inman Lumber Co., Klamath Falls and Dairy  
 Inman-Chase Lumber Co., Springfield  
 Inman-Paulsen Lumber Co., ft. of E. Caruthers, Portland  
 International Lumber Co., Elmira  
 Irving, O. J., Lowell  
 Island Lumber Co., St. Helens  
 Jackson Lumber Co., Myrtle Creek  
 Jacobs & Hess Lumber Co., Union, (Plant also at North Powder)  
 Jantzer & Sons, Azalea  
 Jeffs, W. O., Scappoose  
 Jenks, L. R., Azalea  
 Jess Reacher, Port Orford  
 Jewett Mill, Gardiner  
 Johnson Bros., Cornelius, R. 2  
 Johnson, C. McC., Reedsport  
 Johnson, F. O., Philomath  
 Johnson, M., Blachly  
 Johnson, E. E., Coquille  
 Johnston Lumber Co., Applegate  
 Jones Lumber Co., S. R., 1280 Macadam, Portland  
 Jonsrud & Gunderson Lumber Co., Boring, R. 2  
 Josephine Lumber Co., Grants Pass  
 Jungwirth, F. W., Lyons  
 K. & C. Lumber Co., Dorris, Calif.  
 Kaake & Jubb, Estacada  
 Keating Milling Co., Keating  
 Keeler Bros. Sawmill, Bandon  
 Keith Lumber Co., Umpqua  
 Kelly, F. G., Warrenton  
 Kenworthy, N. A., Friend  
 Key Lumber Co., Molalla  
 Kincaid Sawmill, Long Creek  
 Kirby, D. C., Sheridan  
 Kirk Lumber Co., Kirkford  
 Kitterman & Son, H. B., Kerby  
 Kitts, W. H., Dairy  
 Klamath Lumber & Box Co., Klamath Falls  
 Klauck, Frank, Willamina  
 Knitzley & Hill, Dexter  
 Knotts A., Sawmill, Pilot Rock  
 Koberstein, S. R., Gaston  
 Kolbet & Powers, Elmira  
 Komning Bros., Scappoose  
 Kruse, A. E., Klamath Falls  
 Kuhl Bros. Mill, Prairie  
 La Bellview Co., Granite  
 Lais, A. J., Molalla  
 Laksonen Mill & Lumber Co., Lakeside  
 Lamm Lumber Co., Modoc Point  
 Lammers Bros., Cottage Grove  
 Landess Bros., Sawmill, Chitwood  
 Landwing, Herman, Scotts Mills  
 Langell Lumber Co., Langells Valley  
 Langlois Sawmill, Langlois  
 Larkins & Son, C. N., Hoff  
 Laro Lumber Co., Blodgett  
 Lebanon-Santiam Lumber Co., Lebanon  
 Leber Lumber Co., Elmira  
 Lee Lumber Co., Cherry Grove  
 Leland Lumber Co., Leland  
 Leona Mills Lumber Co., Leona  
 Levenhagen, P. C., Elkton  
 Lewis, J. L., Glendale  
 Lewis, W. E., La Grande  
 Lewis & Bolter, Holbrook  
 Lewis & Peters Lumber Co., Veneta  
 Ligett & Austin, Shedd  
 Lindsay Bros., Sawmill, La Grande  
 Linn & Sons, A. B., Wapinitia  
 Long Sawmill, S. A., Bandon  
 Lowman, W. B., Rainier and Apiary  
 Luckiamute Sawmill, Falls City  
 Ludwigs Sawmill, Mitchell  
 Lystul & Lawson Lumber Co., Glendale  
 Macleay Estate, Wedderburn  
 Madison, Geo. D., Kellogg  
 Maitland, Frank, Gaston, Route 2  
 Maitland & Son, Gaston  
 Malcolm Mill, Alpine  
 Malheur Lumber Co., Malheur  
 Maple Grove Lumber Co., Wilsonville  
 Mark, L. J., Eagle Point  
 Marshall, J. D., Hoff, R. 1  
 Martin Lumber Co., W. A., Jefferson  
 Martin Sawmill, J. S., Alpine  
 Massey Sawmill, Fred, Broadbent  
 Masten Lumber Co., J. N., La Pine  
 Mathews, L. P., Mist  
 Mathew & Brown, Falls City  
 Matson, Ole, Yamhill  
 Mattingly Mill, Antone  
 Mattock, A. M., Dallas  
 Maury Mountain Sawmill, Held  
 McBee & Spandenburg, Trent  
 McCall & Ross, Banks  
 McCann & Frydendall, Manning  
 McCarthy & Hamlet, Barton  
 McClellan, F. Y., West Stayton  
 McCollum & Son, Geo., Keno  
 McComas, C. W., Pendleton  
 McDonald Bros., Deer Island  
 McDowell Bros., Richland

## WOOD AND WOOD PRODUCTS—Continued

- McHugill, Geo., Oakland  
 McKinley-Hampson Lumber Co., Bend, Box 807  
 McMillan Bros., Willamina  
 McPherson Bros., Berlin  
 Mealy Bros., Foster  
 Meinel, Alfred, Mountindale  
 Menefee Lumber Co., L. B., Portland  
 Merrick Lumber Co., Gaston  
 Mespelt, F. W., Scio, R. 4  
 Milldale Milling Co., Drewsey  
 Miller, Ben H., Tidewater  
 Miller Co., C. M., Turner  
 Miller, W. L., Cottage Grove  
 Miller Sawmill, Hugh, Oakland  
 Miller, Willis, Junction City  
 Miller, W. J., Alpine  
 Minam Lumber Co., Minam  
 Minsky Sawmill, Frank, Rose Lodge  
 Mitchell Lumber Co., Banks  
 Modoc Lumber Co., Modoc  
 Moehne Bros., Hoff  
 Mohawk Lumber Co., Mohawk  
 Monarch Lumber Co., North Portland  
 Monner, Wm., Oregon City  
 Moomaw, J. C., Hubbard  
 Moore, J. M., Stayton  
 Moore & Clossner, Crow  
 Moore Mill & Lumber Co., Bandon  
 Mt. Hood Lumber Co., Parkdale  
 Mt. Rest Sawmill, John Day  
 Multnomah Lumber & Box Co., ft. of Bancroft, Portland  
 Mulvany's Sawmill, Wamic  
 Murphy, Pat, Banks, R. 3  
 Murphy-Gardiner Lumber Co., Stayton  
 Murphy Sawmill, Stayton  
 Murphy Timber Co., Yeon Bldg., Portland, (Plants at North Portland and Banks)  
 Murrey, A. R., Enterprise  
 Nehalem Lumber Co., Birkenfeld  
 Nelson, Frank, Newberg, Route 3  
 Nestucca Lumber Co., Cloverdale  
 Nibley-Minnaugh Lumber Co., Wallowa  
 Nielsen, Lewis, Gales Creek  
 Nine Lumber & Sawmill, Klamath Falls  
 North Bend Mill & Lumber Co., North Bend  
 North Plains Lumber Co., North Plains  
 North Portland Box Co., North Portland  
 Northern Pacific Lumber Co., ft. of Sherlock Ave., Portland  
 Nylund & Co., John, Cherry Grove  
 Oak Creek Lumber Co., Corvallis  
 Oakridge Lumber Co., Oakridge  
 Oeder, Tompkins & Wallace Sawmill, Siltcoos  
 O. K. & Rose City Wrecking Co., 12th and Everett, Portland  
 Oregon Box & Mfg. Co., 1144 Macadam, Portland  
 Oregon Export Lumber Co., Marshfield  
 Oregon Fir Mill Co., Scappoose  
 Oregon Lumber Co., Yeon Bldg., Portland, (Plants at Baker and Dee)  
 Oren & Son, Molalla, R. 2  
 Orewiller & McCauley, Bend  
 Orewiller, Anderson, Sisters, Box 102  
 Osborne, C. E., Riddle  
 Oshkosh Lumber Co., Mabel  
 Overholser Lumber Co., Cottage Grove  
 P. & D. Lumber Co., Corvallis  
 Pacific Tie & Timber, Lyons  
 Pacific Western Lbr. Co., Glendale  
 Palmer Lbr. Co., The Geo., La Grande  
 Paolo Bros. Co., Gaston, Route 2  
 Papenfus, R., Trent  
 Parker & Hamaker Lumber Co., Olene  
 Parker & Son, T. T., Amity  
 Parson's Sawmill, Forest Grove  
 Pearl, Elmer, Brownsville  
 Pedee Sawmill, Pedee  
 Peek Lumber Co., Wren  
 Pelican Bay Lbr. Co., Klamath Falls  
 Peninsula Lumber Co., ft. of McKenna, Portland  
 Perkins & Stanton, Forest Grove  
 Perrone, L. A., Broadbent  
 Peters & Moseby, Cottage Grove  
 Pheneger Lumber Co., P. W., Ft. Klamath  
 Pickett & Sons, J. R., Azalea  
 Pierson, I. N., Willamina  
 Pietrock, Phillip, Scio  
 Pioneer Lumber Co., Elk City, (Plant also at Curtin)  
 Pittsburgh Lumber Co., Ruch  
 Pleasant Valley Shingle Co., Hemlock  
 Pole Sawmill, Prairie  
 Port Orford Cedar Co., Sixes  
 Port Orford Mill Co., Port Orford  
 Portland Lumber Co., ft. of Lincoln, Portland  
 Potts, C. R., Paisley  
 Powell's Sawmill, Rye Valley  
 Powrie Bros., Drain  
 Prairie Lumber Co., Prairie  
 Promise Lumber Co., Promise  
 Prosper Mill Co., Prosper  
 Prouty Lumber & Box Co., Seaside, (Plants at Seaside and Timber)  
 Putio Lumber Co., Marmot  
 Raines Bros., Forest Grove  
 Redmond Pine Mill Co., Redmond  
 Reed, H. F., Elgin  
 Reedsport Lumber Co., Reedsport  
 Reid's Sawmill, Heppner  
 Reid, T. A., Estacada  
 Riddle Lumber Co., Riddle  
 Ridge Lumber Co., Troutdale, R. 1  
 Robbins Mill, Reece H., Dallas  
 Robbs, H. A., Dallas  
 Roberts, Guy, Toledo, (Plants at Toledo and Corvallis)  
 Roberts, N. E., Corvallis  
 Roberts Sawmill, Wallowa  
 Robinson Bros., Dayton, R. 1  
 Rock Creek Lumber Co., Molalla  
 Rock Creek Sawmill, Antone  
 Rockaway Spruce Co., Rockaway  
 Rosecrans W. E., Corvallis  
 Rosenbaum's Sawmill, Mitchell  
 Rowland, E. C., Silvertown  
 Russell Sawmill, Prineville  
 Ruttencutter Sawmill, Kerby  
 Sallee & Inman, Elmira  
 Salt Creek Lumber Co., Dallas, R. 1  
 Sandy Lumber Co., Cherryville  
 Scappoose Lumber Co., Scappoose  
 Schafer, Fred, Molalla  
 Schalabach C. J., Hubbard  
 Schellenberg, F. F., Grants Pass  
 Schieman, S. A., Stayton, R. 2  
 Schlachter, L. M., Elam  
 Schmidt Lumber Co., Warrenton  
 Schoemacke-Bruce & Clark Bros., Selma

## WOOD AND WOOD PRODUCTS—Continued

- Schott Bros., & Kingsley, Elmira  
 Schreiber & Son, Mulino, R. 1  
 Schroeder & Aason Lbr. Co., Coquille  
 Schultz, A. W., Dairy  
 Scio Logging & Lumber Co., Scio  
 Seaside Spruce & Logging Co., Comstock  
 Senz Bros., Scio, Route 1  
 Shannon & Walters, Eugene  
 Sharp & Kyniston, Toledo  
 Sharp & Owings, Logsdon  
 Shaw & Bertram Lbr. Co., Klamath Falls  
 Shephard, J. H., Yamhill  
 Sherman Lumber Co., Gaston  
 Shevlin-Hixon Co., Bend  
 Siddons, Dan W., Dallas  
 Siletz Bay Lumber Co., Kernville  
 Siletz Spruce Co., Philomath  
 Siletz Valley Lumber Co., Siletz  
 Silver Falls Timber Co., Silverton  
 Silverton Lumber Co., Silverton  
 Skaggs & Son, Blodgett  
 Skidmore Mill Co., Hoff  
 Sky Line Manufacturing, Lock Box 713, Portland  
 Slyter, O., Molalla, R. 2  
 Small, W. J., Lyons, Route 1  
 Smith, Amos, Grants Pass  
 Smith Bros., Grizzly  
 Smith, Ernest, Dexter  
 Smith, Jerome, Scappoose  
 Smith Sawmill, E. E., Salem, R. 2  
 Smith's Sawmill, Burns  
 Smith Sawmill, Oscar, North Powder  
 Smith & Co., Wallowa  
 Smith & Wilson, Salem  
 Snellstrom Bros., Noti  
 Sams Valley Box & Lumber Co., Gold Hill  
 Southern Oregon Lbr. Co., Medford  
 South Lake Lumber Co., Lakeside  
 Southwell, W. J., Siletz  
 Spalding Bros., Wonder  
 Spath, O. T., Sherwood, Route 3  
 Spaulding Logging Co., Chas. K., Oregonian Bldg., Portland, (Plants at Salem and Newberg)  
 Spiering & Sohler, Banks  
 Spiers & Sons, E., Goldson  
 Sprague River Lumber Co., Chiloquin  
 Spruce Mill Co., Tillamook  
 St. Benedictine Bros., Mt. Angel  
 St. Helens Lumber Co., St. Helens  
 St. Johns Lumber Co., Pittsburg and Bradford, Portland  
 St. Johns Tie and Timber Co., St. Helens  
 Stafford Lumber Co., Springfield  
 Staiger, Chas., Sublimity  
 Standard Box & Lumber Co., Buxton  
 Standard Fir Tie Co., Stayton  
 Standard Lumber Co., Hood River  
 Stanwood Lbr. Co., R. L., Brownsville  
 Stefani, A., Molalla  
 Steiger, J. J., Lumber Co., Chiloquin  
 Stevens & Farris Lumber Co., Walton  
 Stevenson Lumber Co., Koler  
 Stewart, A. G., Grande Ronde  
 Stoddard Lumber Co., Baker  
 Strawberry Mill, Prairie City  
 Stullenberger & Ward, Yamhill  
 Sugar Pine Lumber Co., Kerby  
 Sullivan, Tim, Myrtle Point  
 Summit Lumber Co., Summit  
 Sundquist & Norberg, Banks, R. 3  
 Swan Lake Lbr. Co., Klamath Falls  
 Swope, E., Molalla  
 Teasel Creek Co., Molalla  
 Temple, O. H., Lebanon  
 Templeman, E. T., Oakridge  
 Ten Mile Lumber Co., Lakeside  
 Terry & Judd, Houser  
 Thorpe, Harry, Taft  
 Thrush & Lehnherr, Camas Valley  
 Tichener Lumber Co., Clatskanie  
 Tomlin Box Co., Medford  
 Topsy Lumber Co., Dorris, Calif.  
 Trent Sawmill, Richmond  
 Troy Lumber Co., Troy  
 Trullinger, D. L., Mulino  
 Tuft Lumber Co., Tiernan  
 Twin Lumber Co., Yamhill, R. 1  
 Underhill's Sawmill E. G., Dufur  
 Underwood Lumber Co., Lakeview  
 Van Den Bosch, R., Falls City, Box 244  
 Van Hander, Stayton  
 Vaughn & Bester, Cushman  
 Veal & Son, R., Albany  
 Vincent Lbr. & Logging Co., Yamhill  
 Wade's Sawmill, Cove  
 Wallowa Milling & Grain Co., Wallowa  
 Wamic Lumber Co., Wamic  
 Ward's Sawmill, Dufur  
 Warner Bros., Fall Creek  
 Warner, C. E., Fall Creek  
 Warner & Rapp, Crawfordville  
 Warrenton Lumber Co., Warrenton  
 Wasco Pine Box Lumber Co., Friend  
 Waterbury's Mill, Long Creek  
 Waterman, A. F., Bancroft  
 Weatherspoon & Son, W., Halfway  
 Weddle, A. L., Sweet Home  
 Weiss & Son Lbr. Co., J. M., Hemlock  
 Wellman Bros., Scotts Mills  
 Welter & Son, Wonder  
 Wenstrom Sawmill, Laurel, Route 2  
 West Oregon Lumber Co., Linnton Station, Portland  
 West Side Lumber Co., Lakeview  
 Western Lumber & Export Co., Cottage Grove  
 Westfall Lbr. Co., L. G., The Dalles  
 Westport Lumber Co., Westport  
 Wheeler Bros., Goshen  
 Wheeler, C. H., Timber  
 Wheeler Lumber Co., Wheeler  
 Wheeler United Lumber Co., Wheeler  
 Whipple, E. G., Drain  
 White, C. A., Hoff, R. 1  
 White Cedar Lumber Co., Bandon  
 White Pine Box & Lumber Co., La Grande  
 White Pine Lbr. Co., Klamath Falls  
 Whitney Co., Garibaldi  
 Wienert & Son, J. R., Airlie  
 Wiese Bros., Blodgett  
 Wikstrom Lumber Co., Scappoose  
 Wilhoit Lumber Co., Molalla  
 Willamette River Lbr. Co., Oregon City  
 Willamette Valley Lbr. Co., Dallas  
 Williams, Dar, Cherry Grove  
 Willson Bros., Springfield  
 Willow Creek Sawmill, Heppner  
 Wilson, Floyd, Blodgett  
 Wilson & Jennings, Elmira  
 Wilson Lumber Co., G. W., Gaston  
 Wilson's Sawmill, Dufur  
 Winans Sawmill, Dee  
 Winchester Bay Lbr. Co., Reedsport  
 Wind River Lbr. Co., Cascade Locks  
 Winlock Sawmill, Winlock  
 Wirfs & Son, F. J., Buell

## WOOD AND WOOD PRODUCTS—Continued

Wise & Mulvaney, Lookingglass  
 Woodard, A. L., Cottage Grove  
 Woodard, Walter A., Cottage Grove  
 Woodcock Bros. Sawmill, Kerby  
 Wright & Son, Leslie, Enterprise  
 Yellow Fir Lumber Co., Tillamook  
 Yocum Lumber Co., Estacada  
 Yoder, A. L., Hubbard  
 York Lumber Co., Tillamook  
 Yunker Bros., Yamhill, R. 1  
 Zeek, E. O., Union  
 Zeek, Orland, Lebanon  
 Zero Lumber Co., Blodgett  
 Zysett, J. A., Corvallis

## SHINGLES

Alsea Shingle Co., Waldport  
 Bates Sawmill, Prairie City  
 Beaver Falls Shingle & Lumber Co.,  
 Clatskanie  
 Bittner, F. W., Estacada, R. 2  
 Brooks & McMillan, Waldport  
 Busy Bee Shingle Co., Mapleton  
 Camas Lumber Co., Lowell  
 Cathcart, W. J., Alsea  
 Cherry Grove Shingle Co., Cherry  
 Grove  
 Coates Lumber Co., A. F., Tillamook  
 Coos Bay Shingle Co., North Bend,  
 Box 144  
 Cogle, R. M., Williams  
 Delta Shingle Co., Florence and Cush-  
 man  
 Dixon, S., Lakeview  
 Dodge Shingle Mill, Colton  
 E. & B. Shingle Co., Canary  
 Everson & Parson, Waldport  
 Fluhrer Bros., Mayger  
 Gibbs, Orin O., Ukiah  
 Girt, G. W., Rainier, Box 564  
 Gold Medal Shingle Co., Kerry  
 Greener & Girstman, Mountindale  
 Hammond Lumber Co., Mill City  
 Hancock Shingle Co., Westimber  
 Harney Sawmill, Harney  
 Horton Lumber Co., E. J., Horton  
 Johnston Shingle Co., Vernonia  
 Kratz Shingle Co., Henry, Clatskanie  
 Krieger, A., Estacada, Route 1  
 Laube Bros., Rainier  
 Madison, Geo. D., Kellogg  
 Mathewson Mill, Fossil  
 Maurer & Sexton, Twin Rocks  
 Menefee Lumber Co., L. B., North  
 Portland, (Plants at North Port-  
 land and Milwaukie)  
 Milldale Milling Co., Drewsey  
 Miller, Ben H., Tidewater  
 Mills & Co., E. J., Birkenfeld  
 Moore, Fred, Marshfield  
 Myrtle Point Shingle Co., Myrtle  
 Point  
 Nehalem Shingle Co., Kerry, (Plants  
 at Kerry and Wheeler)  
 Ohler Bros., Timber  
 Olson, Ole T., Comstock  
 Pacific Shingle Co., Siltcoos  
 Page, M. E., Clatskanie  
 Parker Sawmill, J. M., Burns  
 Pierce Shingle Mill, E., Sandy  
 Port Orford Mill Co., Port Orford  
 Rainier Shingle Co., Rainier and  
 Castle Rock  
 Sales, W. H., Mohler  
 Sharp & Owings Sawmill, Logsdan

Siletz Bay Lumber Co., Kernville  
 Snider & Sons, W. L., Clatskanie  
 South Portland Shingle Co., 135 Ma-  
 cadam, Portland  
 Standard Shingle Co., Scofield  
 Star Shingle Co., Rainier  
 Stehman, Dean, Rainier  
 Super Shingle Co., Lebanon  
 Thompson & Bullis, Milwaukie  
 Turner & Jones, Birkenfeld  
 Umpqua Mill Co., Reedsport  
 Vincent, Joseph, Rainier, Route 8  
 West Beaver Shingle Mill, Hemlock  
 Wheeler Mfg. Co., Wheeler  
 Wind River Lbr. Co., Cascade Locks  
 Winlock Sawmill, Winlock  
 Young Shingle Mill, Bandon

## SHINGLE STRIPS

St. Johns Mfg. Co., Pittsburg and  
 Bradford, Portland

## SHIP SPARS

Western Spar Co., North Portland

## SILOS

Alco Wood Products Co., Albany  
 Cameron Oregon Silo Mfg. Co., Al-  
 bany  
 Champion Mfg. Co., E. 27th & Mor-  
 gon, Portland  
 National Tank & Pipe Co., 275 Oak  
 Portland  
 North Portland Box Co., North Port-  
 land  
 Spaulding Logging Co., Chas. K.,  
 Newberg

## TIES

St. Helens Tie & Lbr. Co., St. Helens

## TOYS

Paramount Woodenware Mfg. Co., 652  
 2nd, Portland

## TRAY-DRYER

Canyonville Box Factory, Canyonville

## VENEER

Bandon Cedar Mfg. Co., Bandon  
 Coos Veneer & Box Co., Marshfield  
 Doernbecker Mfg. Co., New Era  
 Emerwood Panel & Top Factory, 543  
 E. 14th, Portland  
 Forest Products Co., Linnton Station  
 Perry Veneer Co., Bandon  
 Portland Mfg. Co., St. Johns Station,  
 Portland  
 Western Lumber Mfg. Co., Marshfield  
 Willamette Pacific Lumber Company,  
 North Bend

## WHEELS

Wilkinson Bros., 254 Hawthorne Ave.,  
 Portland

## WOODENWARE

Champion Mfg. Co., E. 27th & Mor-  
 gan, Portland  
 North Portland Box Co., North Port-  
 land

## WOOD PLUGS

Bittner Plug & Lumber Co., Boring,  
 Route 1

## ELECTRICAL CONTRACTORS

Licensed to do House Wiring and Install Electrical Equipment  
in the State of Oregon

- Aberham, Roy, & Wright, G. F., Woodburn  
 Apple City Electric Shop, Inc., 214 Oak, Hood River  
 Arch Electric Shop, 58 74th E., Portland  
 Arlington Garage, Arlington  
 Averill, H. L., 5304 39th Ave., S. E., Portland  
 Bailey Electric Co., 640 Willamette, Eugene  
 Baker Electric Supply Co., Inc., 1926 Center, Baker  
 Bandon Hardware Co., Inc., Bandon  
 Bauman & Co., F. A. 250 Stark, Portland  
 Beaver Electric Co., 120 Grand Ave., Portland  
 Bend Water, Light & Power Co., Bond & Franklin, Bend  
 Benham, Willard A., La Grande  
 Bregdon, Frank E., Box 153, Toledo  
 Brown Electric Co., 220 10th, Astoria  
 Burton, J. W., Arlington  
 Caldwell, G. M., Oregon City  
 California-Oregon Power Co., 216 W. Main, Medford  
 Chapelle, Henry, Woodburn  
 City of Bandon, Bandon  
 Claggett, C. K., 164 E. 12th, Portland  
 Clark, Harry F., Toledo  
 Clatskanie Telephone Co., Clatskanie  
 Coast Power Co., Tillamook  
 Coast Steel & Machinery Co., 48 1st, Portland  
 Cole-Clark Electric Co., 251 Madison, Corvallis  
 Commercial Electric Co., 207 Oregon Bldg., Portland  
 Cook, H. E., 301 Johnson, Pendleton  
 Cook & Foster, 581 Bond, Astoria  
 Cooper Electric Co., 244 Washington, Portland  
 Coos Bay Electric & Auto Supply Co., 1964 Sherman Ave., North Bend  
 Coos Bay Lumber Co., Marshfield  
 Corvallis Electric Co., 411 3rd, Corvallis  
 Crandall, H. N., 409 2nd, The Dalles  
 Cummings Electric Store, 234 2nd, Corvallis  
 Davidson Electric Co., 203 3rd, Portland  
 Dearlove, C. L., 224½ 3rd, Portland  
 Deschutes Power Co., 521 1st Ave., Spokane, Wash.  
 Dillard, J. J., Ontario  
 Douthitt Electric Co., 913 Wall, Bend  
 Drake, J. A. 1529 Santiam, Albany  
 Drennen Electric Co., Henry, 182 Burnside, Portland  
 East Side Electric Co., 519 Williams Ave., Portland  
 Eastern Oregon Light & Power Co., Baker  
 Eaton, C. O., Box 277, Springfield  
 Edmiston Electric Co., Baker  
 Electric Construction Co., 1015 Union Ave., N., Portland  
 Electric Fixtures & Supply Co., 222 Liberty, Salem  
 Electric House & Supply Co., 449 E. Burnside, Portland  
 Electric Shop, The, 33 Sherman, Lebanon  
 Electric Shop, The, 123 S. 6th, Klamath Falls  
 English Company, J. C., 148 5th, Portland  
 Enterprise Electric Co., 521 1st, Spokane, Wash.  
 Eugene Electric Co., 9th and Oak, Eugene  
 Eveready Electric Co., 30 E. 28th, Portland  
 Fairbanks, Morse & Co., 95 1st, Portland  
 Ferguson & Creighton Electric Co., 218½ E. 3rd, The Dalles  
 Fleener, A. C., 414 Court, Salem  
 Fluke, Eley, 458 4th, Independence  
 Fossil Milling Co., Fossil  
 French, Chas. F., Grass Valley  
 Furneaux, Geo. A., Dufur  
 General Electric Repair Co., 5619 46th Ave., S. E., Portland  
 Glencoe Electric Co., 1279 Belmont, Portland  
 Goodman, Roy, Oakland  
 Grand Electric Co., 127 Grand Ave., Portland  
 Grants Pass Electric Co., 203 S. 6th, Grants Pass  
 Graves, A. H., Mosier  
 Green Electric Co., 1985 E. Stark, Portland  
 Groth Electric Co., 400 1st, Newberg  
 Hale, J. T., 818 Main, Pendleton  
 Halfway Electric Shop, Halfway  
 Halik's Electric Shop, 337 Court, Salem  
 Hamilton, Allen E., Box 246, Gresham  
 Hanel's Electric Shop, 1228 Main, Hillsboro  
 Hanniff, Reginald, Warren  
 Harper's Electric Shop, 215 6th, Grants Pass  
 Hatch, H. W., 2007 Center, Salem  
 Hawthorne Electric Co., 380 Hawthorne Ave., Portland  
 Heater, Chas., Milton  
 Henderer, John, 456 Main, Springfield  
 H. M. H. Electric Co., 31 N. 1st, Portland  
 Hodgson, Carl V., Oregon City  
 Hoflich's Electric Shop, 118 W. 2nd, Albany  
 Hooton, Arthur L., Coquille  
 Hope, Ralph A., 844 Wall, Bend  
 Hope's Electric Store, 759 Main, Lebanon  
 House, C. L., 809 S. 2nd, Walla Walla, Wash.  
 Howard, C. C., Brownsville  
 H. & S. Electric Co., 105 Depot, La Grande  
 Hudson Electric Store, 135 N. Jackson, Roseburg  
 Idaho Power Co., Boise, Idaho  
 Jaggard-Sroufe Co., 103 W. Park, Portland

## ELECTRICAL CONTRACTORS—Continued

- Janin Electric Co., Portland, R. 3, Box 744  
 Jensen, Jas. M., Junction City, R. 2  
 Jones Company, Frank C., Gresham  
 Jordan Electric Co., 201 E. Main, Ashland  
 Julian, J. W., Oak Grove  
 Kamberger, J. B., Beaverton  
 Kaufman, L. M., Silverton  
 Knight & Company, E. L., 449 Washington, Portland  
 Koehler, Henry B., Mt. Angel  
 Kofsky, Carl, 127 18th, Oregon City  
 Krupp, Samuel C., 440 E. 4th, Albany  
 Lakeview Electric Shop, Lakeview  
 Langley Electric Shop, 12th and Main, Oregon City  
 Larsen, Robt. W., 236 Worcester Bldg., Portland  
 Lents Electric Shop, 9127 Foster Road, Portland  
 Lewis, R. N., 402 Morrison, Portland  
 Link River Electric Co., 130 7th, Klamath Falls  
 Lucas, Vern S., Troutdale  
 Lutz, J. G., 542 Union Ave., N., Portland  
 Lutz, Stanley, 210 Chamber of Commerce Bldg., Portland  
 Main Electric Co., The, 361 E. Morrison, Portland  
 Makela, Henry, 253 Alameda, Astoria  
 Mann, C. Guy, Myrtle Point  
 Marshfield Electric Co., 153 N. Broadway, Marshfield  
 McCartney Electric Co., 441 Commercial, Astoria  
 McDonald, A. M. Lents Sta., Portland, Route 3, Box 239  
 Medley, Robt. L., Coquille  
 Meserve Company, A. E., 1014 E. Stark, Portland  
 Miles, Archie T., Newport  
 Miller, Chas. W., 304 Main, Milton  
 Miller, Theo. G., 903 6th, Oregon City  
 Miller Company, Inc., C. G., 9th and Main, Oregon City  
 Miller Electric Co., 413 3d, McMinnville  
 Miller & Schoonover, 1633 E 13th, Portland  
 Mills, R. L., Vernonia  
 Milne Electric Co., 110 E. Alta, Pendleton  
 Milwaukie Electric Co., 1027 Main, Milwaukie  
 Moore, Merville W., Condon  
 Moore Electric Co., 9 Oak, Hood River  
 Morrison Electric Co., 383 Washington, Portland  
 Mountain States Power Co., 236 Lyon, Albany  
 Murphy Electric Shop, Plaza and Main, Ashland  
 National Electric Co., 262½ Stark, Portland  
 Nealen, P. J., Sublimity  
 Neilson, T. R., 839 Mississippi Ave., Portland  
 Nelson, Andrew, 1802 Lincoln, Eugene  
 NePage-McKenny Co., 388 Burnside, Portland  
 North Bend Battery Co., North Bend  
 North Coast Power Co., 1156 2d, Hillsboro  
 Olsaver, L. M., 264 Madison, Portland  
 Opperman, E. G., Coquille  
 Oregon State Electric Works, 52 E. 6th N., Portland  
 Oswald, Otto J., Mt. Angel  
 Otis Elevator Co., 72 10th, Portland  
 Pacific Power & Light Co., Gasco Bldg., Portland  
 Palm, W. H., 312 N. Main, Roseburg  
 Paul's Electric Store, Main and Central, Medford  
 Peninsula Electric Co., Inc., 301 S. Jersey, Portland  
 People's Electric Store, 212 W. Main, Medford  
 Pettinger, A. E., Clatskanie  
 Phillips, B. L., Lents Sta., Portland, Route 3, Box 770  
 Piedmont Electric Co., 141 Killingsworth Ave., Portland  
 Pierce-Tomlinson Electric Co., 286 Oak, Portland  
 Polk County Electric Supply Co., 510 Main, Dallas  
 Poppleton, R. R., 225 Stark, Portland  
 Portland Elevator Co., 480 E. Mill, Portland  
 Portland Railway, Light & Power Co., Broadway and Alder, Portland  
 Preston's Electric Shop, 115 1st, Silverton  
 Prey, H. G., Myrtle Point  
 Puzey, Lou A., Box 258, St. Helens  
 Ralston Electric Supply Co., 310 W. 2nd, Albany  
 Rierdan Bros., 502½ Columbia, Portland  
 Ringle Electric Supplies, G. E., Rainier  
 Rohrer-Stiles Electric Co., 245 Central Ave., Marshfield  
 Roseway Electric Co., 464 E. 37th S., Portland  
 Rouse Electrical Co., G. W., 1140 Sandy Blvd., Portland  
 Salem Electric Co., Masonic Temple, Salem  
 Sams, Wm. H., Ashland  
 Sanders Electric Works, 430 Fliedner Bldg., Portland  
 S. Company, 2010 Main, Baker  
 Schreiner Geo., 151 W. Maple, Walla Walla, Wash.  
 Schubert, L. Z. Box 164, Fruitland, Idaho  
 Scott & Company, C. P., 306 Oak, Portland  
 Sherman, F. R., Cottage Grove  
 Sherrill Electric Co., 76 Main, Free-water  
 Shields-Ruch Co., Junction City  
 Sigwart Electric Co., 933 Willamette, Eugene  
 Skeen Electric Works, Robt., 395 Everett, Portland  
 Smith, Norman H., Oregon City, R. 1, Box 52  
 Smith, N. T., Burns  
 Smith, McCoy Electric Co., 264 Alder, Portland  
 Southern Pacific Co., 769 Yeon Bldg., Portland  
 Star Delta Electric Works, 513 Glisan, Portland  
 Star Electric Co., 6338 Foster Road, Portland  
 Stearns & Chenoweth, Yoncalla  
 Steelsmith, Geo. L., 820 Prom, Seaside

## ELECTRICAL CONTRACTORS—Continued

- Stevens, W. L., 992 Brooklyn, Portland  
 Strom, P. J., 1463 Cleveland Ave., Portland  
 Stubbs & Kennedy, 1453 Sandy Blvd., Portland  
 Summers, C. E., 264 Madison, Portland  
 Sunlite Electric Co., 229 Morrison, Portland  
 Swift & Co., North Portland  
 Terry, Gilbert, 601 Duane, Oregon City  
 The Dalles Electric Works, 219 E. 2nd, The Dalles  
 Thompson, Will W., Oak Grove  
 Toledo Electric Co., Flat Iron Bldg., Toledo  
 Toresen Harry, 875 Thurman, Portland  
 Tracy, Paul E., Newport  
 Turner, C. C., 1100 Vancouver Ave., Portland  
 Uhlig's Electric Store, 327 W. 1st, Albany  
 Vale Electric Co., Vale  
 Vanderlip, F. M., 271 5th, Portland  
 Vaughan, J. L., 206 E. Court, Pendleton  
 Walker, R. C., 20 Pacific Ave., Forest Grove  
 Walker Electric Works, L. A., 413 Burnside, Portland  
 Warriner, H., 5523 92nd, S. E., Portland  
 Walsh Electric Co., M. J., 106 4th, Portland  
 Weiser Electric Supply Co., Weiser, Idaho  
 Welch Electric Co., 379 State, Salem  
 West Coast Engineering Co., 504 Couch Bldg., Portland  
 Westersund & Dahlgren, 213 W. Bond, Astoria  
 White Electric Company, H. M., 694 Willamette, Eugene  
 Whiteaker, Glenn, Monmouth  
 Wight, W. C., 270 Portland Blvd., Portland  
 Willamette Iron & Steel Works, 685 Industrial Place, Portland  
 Williams Bros., Seaside  
 Wimp, E. A., Redmond  
 Woolfe, Glen F., Tillamook  
 Wynne, A. L., 406 Main, Cottage Grove  
 Yamhill Electric Co., 601 1st, Newberg  
 Young Electric Co., Wilsonville  
 Zweifel, Nate, 209 Depot, La Grande

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